



June 30, 2015

Ms. Heather Patterson

NMOCD District 2

811 S. 1st Street

Artesia, NM 88210

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

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

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

SAN ANTONIO
13111 Lookout Way
San Antonio, Texas 78233
Phone 210.265.8025
Fax 210.568.2191

Subject: **Soil Assessment and Remediation Work Plan (REVISED)**
Cimarex Energy
Vermejo SWD #1
API # 30-015-40644 2RP-2501

Dear Ms. Patterson,

Cimarex Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced release. The incident description, soil assessment and proposed remediation activities consist of the following:

Incident Date

August 17, 2014

Background Information

The Vermejo Water Transfer Station No. 1 is located approximately sixteen (16) miles southeast of Artesia, New Mexico. The legal location for the Vermejo Water Transfer Station is Section 5, Township 17 South and Range 29 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the location are 32.86364 North and -104.099189 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Kimbrough-Stegall loams with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, The local surface and shallow geology is made up of Holocene to Pleistocene alluvium. Drainage courses in this area are normally dry. According to the 2006 Chevron Texaco Groundwater Trend Map, groundwater in the project vicinity is between 50 and 100 feet below ground surface (bgs). See Appendix II for the referenced groundwater data.

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

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

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

Incident Description

On August 17, 2014 lightning struck the Vermejo SWD Water Transfer Station which is located on what was once the Spiketail SWD #1 (30-015-38599) a P&A location. The facility burnt to the ground releasing approximately 1100 barrels of produced water and 250 barrels of oil. Most of the fluid was burnt off. No fluid was recovered. What fluid remained flowed south off location and into the pasture. See site plan in Appendix I.

On September 3, 2014 Talon/LPE mobilized personnel to begin site assessment and soil sampling activities for the generation of a work plan. Grab soil samples were collected utilizing a hand auger. Refusal was encountered with the hand auger at a depth of 2-feet bgs.

On June 18, 2015 a backhoe was mobilized to further vertically delineate the impacted area for chlorides and TPH. The analytical results from the soil sampling events are summarized in the tables below.

Laboratory Results

See [Appendix III](#) for complete report of laboratory results.

September 9, 2014

| Sample ID | Depth (feet) | BTEX (mg/kg) | Chlorides (mg/kg) | TPH (mg/kg) GRO | TPH (mg/kg) DRO |
|-----------|--------------|--------------|-------------------|-----------------|-----------------|
| S-1 | 0 | ND | 1920 | ND | 2640 |
| S-1 | 0.5 | ND | 1330 | ND | 881 |
| S-2 | 0 | 5.9 | 7760 | 264 | 5700 |
| S-2 | 1 | ND | 320 | ND | 163 |
| S-2 | 2 | 0.605 | 1120 | ND | 954 |
| S-3 | 0 | 10.4 | 13000 | 598 | 35500 |
| S-3 | 1 | ND | 800 | ND | 609 |
| S-3 | 2 | 0.408 | 544 | 10.7 | 592 |
| S-4 | 0 | 241 | 6200 | 2720 | 11600 |
| S-4 | 1 | 18.2 | 12400 | 266 | 2690 |
| S-5 | 0 | 308 | 64800 | ND | 8490 |
| S-5 | 1 | ND | 10600 | ND | 24.9 |
| S-6 | 0 | 8.24 | 10600 | 588 | 28800 |
| S-6 | 1 | ND | 864 | ND | 695 |
| S-6 | 2 | ND | 784 | ND | 1480 |

June 25, 2015

| Sample ID | Depth (feet) | BTEX (mg/kg) | Chlorides (mg/kg) | TPH (mg/kg) GRO | TPH (mg/kg) DRO |
|------------------|-------------------------|-------------------------|------------------------------|----------------------------|----------------------------|
| S-1 | 3 | -- | 1090 | -- | -- |
| S-1 | 4 | -- | 176 | -- | -- |
| S-1 | 5 | -- | 80 | -- | -- |
| S-2 | 2.5 | -- | 64 | -- | -- |
| S-4 | 3 | -- | 2720 | ND | ND |
| S-4 | 4 | -- | 2400 | ND | ND |
| S-4 | 5 | -- | 1020 | ND | ND |
| S-4 | 6 | -- | 620 | -- | -- |
| S-5 | 5 | -- | 1380 | -- | -- |
| S-5 | 6 | -- | 1460 | -- | -- |
| S-5 | 7 | -- | 2800 | -- | -- |
| S-5 | 8 | -- | 432 | -- | -- |
| S-6 | 2.5 | -- | 7840 | ND | ND |
| S-6 | 3 | -- | 6960 | ND | ND |
| S-6 | 4 | -- | 4240 | ND | 56 |
| S-6 | 5 | -- | 3440 | -- | -- |
| S-6 | 6 | -- | 1330 | -- | -- |
| S-6 | 8 | -- | 1140 | -- | -- |
| S-6 | 9 | -- | 736 | -- | -- |
| S-6 | 10 | -- | 320 | -- | -- |

(--) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of **10**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 1,000 mg/kg for TPH.

Proposed Remedial Actions


- The impacted area in the vicinity of sample location S-1 will be excavated to a depth of 4-feet bgs.
- The impacted area in the vicinity of sample location S-2 will be excavated to a depth of 2.5-feet bgs.
- The impacted area in the vicinity of sample location S-3 will be excavated to a depth of 1-foot bgs.
- The impacted area in the vicinity of sample location S-4 will be excavated to a depth of 4-feet bgs. A 20-mil reinforced liner will be installed at the bottom of the excavation to encapsulate the remaining chloride impacts.
- The impacted area in the vicinity of sample location S-5 will be excavated to a depth of 4-feet bgs. A 20-mil reinforced liner will be installed at the bottom of the excavation to encapsulate the remaining chloride impacts.
- The impacted area in the vicinity of sample location S-6 will be excavated to a depth of 4-feet bgs. A 20-mil reinforced liner will be installed at the bottom of the excavation to encapsulate the remaining chloride impacts.

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

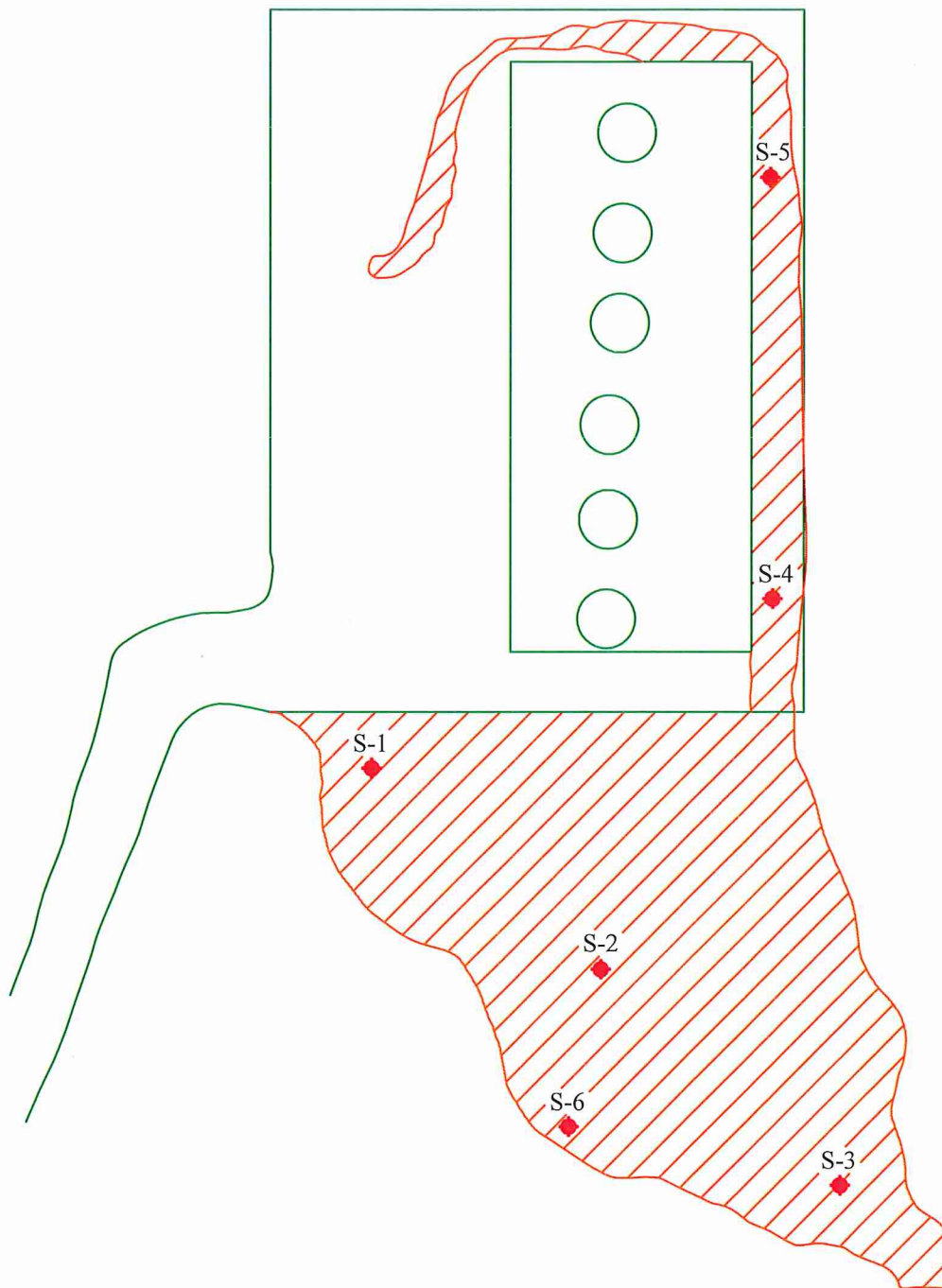
Respectfully submitted,

TALON/LPE

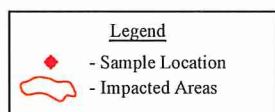

Sheldon L. Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



NTS
Scale in Feet



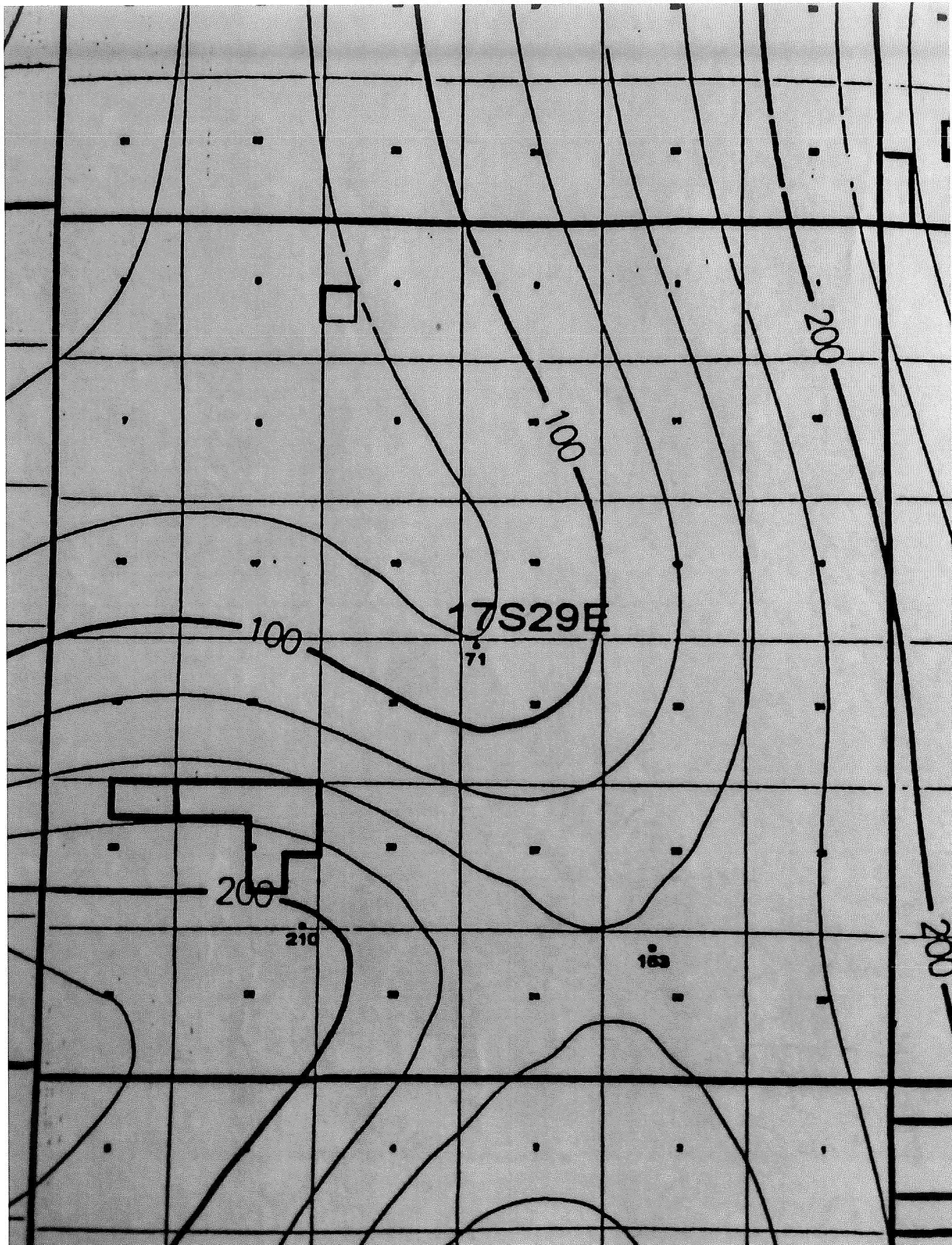
Date: 10/01/2014

Scale: NTS

Drawn By: TJS

Vermejo Water Transfer Station
Cimarex Energy
Eddy County, New Mexico
Figure 1 - Site Plan

GROUNDWATER DATA
INITIAL C-141



17S29E

71

100

200

100

200

210

100

200

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

NM OIL CONSERVATION

ARTESIA DISTRICT Form C-141
Revised August 8, 2011

SEP 18 2014
Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

NAB1426251119

| | | |
|---|---------------|---|
| Name of Company Cimarrex Energy <i>315099</i> | | OPERATOR <input checked="" type="checkbox"/> Initial Report <input type="checkbox"/> Final Report |
| Address 600 N Marienfeld Ste 600 Midland TX | | Contact Christine Alderman |
| Facility Name Vermejo SWD #1 | | Telephone No. 432-853-7059 |
| | | Facility Type Production |
| Surface Owner | Mineral Owner | API No. 30-015-40644 |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| | 15 | 17S | 28E | | 900 | | 2530 | Eddy |

Latitude 32.654322 Longitude -104.059509

NATURE OF RELEASE

| | | |
|---|--|------------------------------------|
| Type of Release – produced water and oil | Volume of Release 1100 bbls of PW and 250 bbls crude oil | Volume Recovered 0 |
| Source of Release tank battery | Date and Hour of Occurrence 8/17/14 | Date and Hour of Discovery 8/17/14 |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Mike Bratcher | |
| By Whom? Christine Alderman | Date and Hour 8/17/14 | |
| 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.* Lightning struck tank battery and completely burned. Much of the loss of fluids was burned off | | |
| Describe Area Affected and Cleanup Action Taken.* Contacted local Environmental consulting agency to begin cleanup process. | | |

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: <i>Christine Alderman</i> | OIL CONSERVATION DIVISION | |
| Printed Name: Christine Alderman | Approved by Environmental Specialist: <i>Huf</i> | |
| Title: ESH Supervisor | Approval Date: <i>9/18/14</i> | Expiration Date: <i>NA</i> |
| E-mail Address: calderman@cimarrex.com | Conditions of Approval: | |
| Date: 8/15/14 Phone: 432-853-7059 | Remediation per OCD Rule & Guidelines. | Attached <input type="checkbox"/> |

* Attach Additional Sheets If Necessary

SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: *10/18/14*

22P-2501

LABORATORY RESULTS

September 09, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VERMEJO TRANSFER STATION

Enclosed are the results of analyses for samples received by the laboratory on 09/04/14 10:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 524.4 | Regulated VOCs (V1, 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
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 09/04/2014
Reported: 09/09/2014
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 09/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-1 0' (H402734-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 0.050 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | <0.300 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1920 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <100 | 100 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 2640 | 100 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

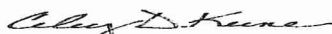
Surrogate: 1-Chlorooctane 72.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 137 % 63.6-154

Cardinal Laboratories

*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/04/2014
 Reported: 09/09/2014
 Project Name: VERMEJO TRANSFER STATION
 Project Number: 70116206501
 Project Location: CIMAREX - EDDY COUNTY, NM

 Sampling Date: 09/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-1 .5' (H402734-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | <0.300 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1330 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 881 | 50.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

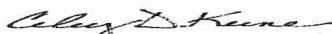
Surrogate: 1-Chlorooctane 65.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/04/2014
Reported: 09/09/2014
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 09/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 0' (H402734-03)

| BTX 8021B | | mg/kg | Analyzed By: MS | | | | | | |
|----------------|--------------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.200 | 0.200 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | 0.546 | 0.200 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 1.75 | 0.200 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | 3.61 | 0.600 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | 5.90 | 1.20 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 122 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7760 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | Analyzed By: ms | | | | | | | S-06 |
|--------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 264 | 200 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | | |
| DRO >C10-C28 | 5700 | 200 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | | |


Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 215 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/04/2014
Reported: 09/09/2014
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 09/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 1' (H402734-04)

| BTX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | <0.300 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | Analyzed By: ms | | | | |
|--------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 163 | 10.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

Surrogate: 1-Chlorooctane 73.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 73.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/04/2014
Reported: 09/09/2014
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 09/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 2' (H402734-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | 0.069 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 0.170 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | 0.366 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | 0.605 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1120 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | S-06 | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 954 | 50.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

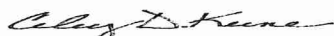
Surrogate: 1-Chlorooctane 61.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/04/2014
Reported: 09/09/2014
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 09/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 0' (H402734-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.500 | 0.500 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | 1.42 | 0.500 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 3.10 | 0.500 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | 5.90 | 1.50 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | 10.4 | 3.00 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 13000 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | S-06 |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 598 | 500 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | | |
| DRO >C10-C28 | 35500 | 500 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | | |

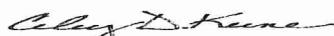
Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 1480 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/04/2014
 Reported: 09/09/2014
 Project Name: VERMEJO TRANSFER STATION
 Project Number: 70116206501
 Project Location: CIMAREX - EDDY COUNTY, NM

 Sampling Date: 09/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-3 1' (H402734-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | <0.300 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 800 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 609 | 10.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

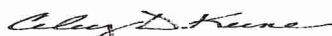
Surrogate: 1-Chlorooctane 65.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.0 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Fax To: (575) 745-8905

Received: 09/04/2014
Reported: 09/09/2014
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 09/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 2' (H402734-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | 0.064 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 0.115 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | 0.230 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | 0.408 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 544 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 10.7 | 10.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 592 | 10.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

Surrogate: 1-Chlorooctane 71.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.0 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/04/2014
 Reported: 09/09/2014
 Project Name: VERMEJO TRANSFER STATION
 Project Number: 70116206501
 Project Location: CIMAREX - EDDY COUNTY, NM

 Sampling Date: 09/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-4 0' (H402734-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 3.92 | 2.00 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | 58.4 | 2.00 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 69.6 | 2.00 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | 109 | 6.00 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | 241 | 12.0 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 89.4-126

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6200 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | S-06 |
|------------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 2720 | 100 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | | |
| DRO >C10-C28 | 11600 | 100 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | | |

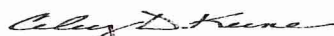
Surrogate: 1-Chlorooctane 148 % 65.2-140

Surrogate: 1-Chlorooctadecane 329 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/04/2014
 Reported: 09/09/2014
 Project Name: VERMEJO TRANSFER STATION
 Project Number: 70116206501
 Project Location: CIMAREX - EDDY COUNTY, NM

 Sampling Date: 09/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-4 1' (H402734-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.200 | 0.200 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | 2.02 | 0.200 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 5.43 | 0.200 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | 10.8 | 0.600 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | 18.2 | 1.20 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 158 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12400 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 266 | 50.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 2690 | 50.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

Surrogate: 1-Chlorooctane 98.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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* = Accredited Analyte

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

 Received: 09/04/2014
 Reported: 09/09/2014
 Project Name: VERMEJO TRANSFER STATION
 Project Number: 70116206501
 Project Location: CIMAREX - EDDY COUNTY, NM

 Sampling Date: 09/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-5 0' (H402734-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | 0.624 | 0.100 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 0.859 | 0.100 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | 1.60 | 0.300 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | 3.08 | 0.600 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64800 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | S-06 |
|--------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <200 | 200 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | | |
| DRO >C10-C28 | 8490 | 200 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | | |

Surrogate: 1-Chlorooctane 80.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 387 % 63.6-154

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Fax To: (575) 745-8905

Received: 09/04/2014
Reported: 09/09/2014
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 09/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-5 1' (H402734-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | <0.300 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10600 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 24.9 | 10.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

Surrogate: 1-Chlorooctane 77.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/04/2014
 Reported: 09/09/2014
 Project Name: VERMEJO TRANSFER STATION
 Project Number: 70116206501
 Project Location: CIMAREX - EDDY COUNTY, NM

 Sampling Date: 09/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-6 0' (H402734-13)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.500 | 0.500 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | 1.56 | 0.500 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 2.51 | 0.500 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | 4.16 | 1.50 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | 8.24 | 3.00 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10600 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | S-06 |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 558 | 500 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | | |
| DRO >C10-C28 | 28800 | 500 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | | |

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 1250 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/04/2014
Reported: 09/09/2014
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 09/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-6 1' (H402734-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | 0.062 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | <0.300 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 864 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 695 | 50.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

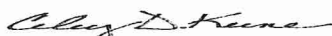
Surrogate: 1-Chlorooctane 82.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|---------------|
| Received: | 09/04/2014 | Sampling Date: | 09/03/2014 |
| Reported: | 09/09/2014 | Sampling Type: | Soil |
| Project Name: | VERMEJO TRANSFER STATION | Sampling Condition: | Cool & Intact |
| Project Number: | 70116206501 | Sample Received By: | Kathy Perez |
| Project Location: | CIMAREX - EDDY COUNTY, NM | | |

Sample ID: S-6 2' (H402734-15)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.70 | 85.1 | 2.00 | 4.89 | |
| Toluene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.56 | 78.1 | 2.00 | 5.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 09/08/2014 | ND | 1.47 | 73.5 | 2.00 | 5.20 | |
| Total Xylenes* | <0.150 | 0.150 | 09/08/2014 | ND | 4.50 | 75.0 | 6.00 | 6.07 | |
| Total BTX | <0.300 | 0.300 | 09/08/2014 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 784 | 16.0 | 09/09/2014 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 09/05/2014 | ND | 167 | 83.6 | 200 | 2.35 | |
| DRO >C10-C28 | 1480 | 50.0 | 09/05/2014 | ND | 191 | 95.3 | 200 | 1.32 | |

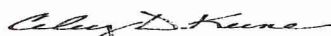
Surrogate: 1-Chlorooctane 82.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

| | |
|------|--|
| 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. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| 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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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: Talon/LPE | | P.O. #: | | ANALYSIS REQUEST | | | | | | | | | | | | | |
| Project Manager: <u>D. Adkins</u> | | Company: Talon/LPE | | | | | | | | | | | | | | | |
| Address: 408 W. Texas Ave. | | Attn: | | | | | | | | | | | | | | | |
| City: Artesia | | Address: | | | | | | | | | | | | | | | |
| Phone #: 575-746-8768 | | City: | | | | | | | | | | | | | | | |
| Fax #: 575-746-8905 | | State: | | | | | | | | | | | | | | | |
| Project #: 76116206501 | | Zip: | | | | | | | | | | | | | | | |
| Project Name: Vecenigo Transfor Station | | Phone #: | | | | | | | | | | | | | | | |
| Project Location: <u>Eddy G. Barza</u> | | Fax #: | | | | | | | | | | | | | | | |
| Sampler Name: | | PRESERV | | SAMPLING | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | 1PH | BTEX | Chlorides |
| 4402734 | S-1 0" | / | / | / | / | / | / | / | / | / | / | / | 9-3-14 | 11:30 | / | / | / |
| | S-1.5" | / | / | / | / | / | / | / | / | / | / | / | 11:35 | 11:35 | / | / | / |
| | S-2 0" | / | / | / | / | / | / | / | / | / | / | / | 11:38 | 11:38 | / | / | / |
| | S-2 1" | / | / | / | / | / | / | / | / | / | / | / | 11:44 | 11:44 | / | / | / |
| | S-2 2" | / | / | / | / | / | / | / | / | / | / | / | 11:50 | 11:50 | / | / | / |
| | S-3 0" | / | / | / | / | / | / | / | / | / | / | / | 12:00 | 12:00 | / | / | / |
| | S-3 1" | / | / | / | / | / | / | / | / | / | / | / | 12:09 | 12:09 | / | / | / |
| | S-3 2" | / | / | / | / | / | / | / | / | / | / | / | 12:15 | 12:15 | / | / | / |
| | S-4 0" | / | / | / | / | / | / | / | / | / | / | / | 12:23 | 12:23 | / | / | / |
| | S-4 1" | / | / | / | / | / | / | / | / | / | / | / | 12:33 | 12:33 | / | / | / |

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Relinquished By: [Signature] Date: 9-4-14 Received By: [Signature] Time: 10:21

Delivered By: (Circle One) 580 Sample Condition Intact Checked By: [Signature]
Sampler - UPS - Bus - Other: 580 Cool ☐ Intact ☒ Yes ☐ No ☐ Yes ☐ No

REMARKS: 1PH
BTEX
Chlorides

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 2 of 2

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

June 25, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VERMEJO TRANSFER STATION

Enclosed are the results of analyses for samples received by the laboratory on 06/19/15 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 524.4 | Regulated VOCs (V1, 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
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 06/19/2015
Reported: 06/25/2015
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 06/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-1 3' (H501594-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1090 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |

Sample ID: S-1 4' (H501594-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | | |

Sample ID: S-1 5' (H501594-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |

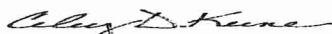
Sample ID: S-2 2.5' (H501594-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|---------------|
| Received: | 06/19/2015 | Sampling Date: | 06/18/2015 |
| Reported: | 06/25/2015 | Sampling Type: | Soil |
| Project Name: | VERMEJO TRANSFER STATION | Sampling Condition: | Cool & Intact |
| Project Number: | 70116206501 | Sample Received By: | Jodi Henson |
| Project Location: | CIMAREX - EDDY COUNTY, NM | | |

Sample ID: S-4 3' (H501594-05)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|--------------------------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2720 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |
| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/22/2015 | ND | 186 | 93.0 | 200 | 1.13 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/22/2015 | ND | 201 | 100 | 200 | 0.861 | |
| <i>Surrogate: 1-Chlorooctane</i> | | 94.2 % | 47.2-157 | | | | | | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 117 % | 52.1-176 | | | | | | |

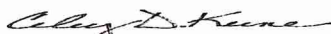
Sample ID: S-4 4' (H501594-06)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|--------------------------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2400 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |
| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/22/2015 | ND | 186 | 93.0 | 200 | 1.13 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/22/2015 | ND | 201 | 100 | 200 | 0.861 | |
| <i>Surrogate: 1-Chlorooctane</i> | | 87.8 % | 47.2-157 | | | | | | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 109 % | 52.1-176 | | | | | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|---------------|
| Received: | 06/19/2015 | Sampling Date: | 06/18/2015 |
| Reported: | 06/25/2015 | Sampling Type: | Soil |
| Project Name: | VERMEJO TRANSFER STATION | Sampling Condition: | Cool & Intact |
| Project Number: | 70116206501 | Sample Received By: | Jodi Henson |
| Project Location: | CIMAREX - EDDY COUNTY, NM | | |

Sample ID: S-4 5' (H501594-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1020 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/22/2015 | ND | 186 | 93.0 | 200 | 1.13 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/22/2015 | ND | 201 | 100 | 200 | 0.861 | |

Surrogate: 1-Chlorooctane 92.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

Sample ID: S-4 6' (H501594-08)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |

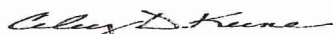
Sample ID: S-5 5' (H501594-09)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1380 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2015
Reported: 06/25/2015
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 06/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-5 6' (H501594-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1460 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |

Sample ID: S-5 7' (H501594-11)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2800 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |


Sample ID: S-5 8' (H501594-12)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2015
Reported: 06/25/2015
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 06/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-6 2.5' (H501594-13)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|--------------------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7840 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/22/2015 | ND | 186 | 93.0 | 200 | 1.13 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/22/2015 | ND | 201 | 100 | 200 | 0.861 | |
| <i>Surrogate: 1-Chlorooctane</i> | | 103 % | 47.2-157 | | | | | | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 115 % | 52.1-176 | | | | | | |

Sample ID: S-6 3' (H501594-14)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|--------------------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6960 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/22/2015 | ND | 186 | 93.0 | 200 | 1.13 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/22/2015 | ND | 201 | 100 | 200 | 0.861 | |
| <i>Surrogate: 1-Chlorooctane</i> | | 103 % | 47.2-157 | | | | | | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 114 % | 52.1-176 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2015
Reported: 06/25/2015
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 06/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-6 4' (H501594-15)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|------------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4240 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |
| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/22/2015 | ND | 186 | 93.0 | 200 | 1.13 | |
| DRO >C10-C28 | 56.0 | 10.0 | 06/22/2015 | ND | 201 | 100 | 200 | 0.861 | |

Surrogate: 1-Chlorooctane 89.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

Sample ID: S-6 5' (H501594-16)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3440 | 16.0 | 06/24/2015 | ND | 384 | 96.0 | 400 | 8.00 | |

Sample ID: S-6 6' (H501594-17)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1330 | 16.0 | 06/25/2015 | ND | 400 | 100 | 400 | 3.92 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/19/2015
Reported: 06/25/2015
Project Name: VERMEJO TRANSFER STATION
Project Number: 70116206501
Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 06/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-6 8' (H501594-18)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1140 | 16.0 | 06/25/2015 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: S-6 9' (H501594-19)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 736 | 16.0 | 06/25/2015 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: S-6 10' (H501594-20)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 06/25/2015 | ND | 400 | 100 | 400 | 3.92 | |

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

| | |
|-----|--|
| 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 |

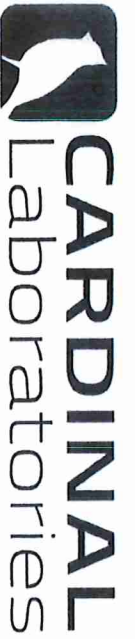
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1692

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--|-------------------|--|------------------|--|-------------|--|------------|--|------|--|-----|--|--------|--|---------|--|------------|--|------------|--|---------|--|---------|--|------|--|-----------------|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|
| Company Name: <u>Talon / LPE</u> | | P.O. #: | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>S. Hitchcock</u> | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: <u>4108 W Texas Ave</u> | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u> | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: <u>575 746 8768</u> Fax #: | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>701620501</u> Project Owner: <u>Cimarex</u> | | State: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Vernejo Transfer Station</u> | | Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Eddy Co. Bacteria</u> | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | MATRIX | | PRESERV | | SAMPLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER : | | ACID/BASE: | | ICE / COOL | | OTHER : | | DATE | | TIME | | Total Chlorides | | | | | | | | | | PH | | | | | | | | | |
| H501594 1-20 | | S-1 3 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 8:30 | | X | | | | | | | | | | | | | | | | | | | |
| S-1 4 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 8:33 | | X | | | | | | | | | | | | | | | | | | | |
| S-1 5 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 8:36 | | X | | | | | | | | | | | | | | | | | | | |
| S-2 2.5 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 8:41 | | X | | | | | | | | | | | | | | | | | | | |
| S-4 3 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 9:00 | | X | | | | | | | | | | | | | | | | | | | |
| S-4 4 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 9:04 | | X | | | | | | | | | | | | | | | | | | | |
| S-4 5 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 9:10 | | X | | | | | | | | | | | | | | | | | | | |
| S-4 6 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 9:13 | | X | | | | | | | | | | | | | | | | | | | |
| S-4 7 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 9:18 | | X | | | | | | | | | | | | | | | | | | | |
| S-4 8 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 9:28 | | X | | | | | | | | | | | | | | | | | | | |
| S-5 5 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 9:34 | | X | | | | | | | | | | | | | | | | | | | |
| S-5 6 | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | 6-18-15 | | 9:34 | | X | | | | | | | | | | | | | | | | | | | |

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| | | | | | | | |
|-------------------------------------|----------------------|-------------------|---------------------------------|----------------------|-------------------|------------------|--------------------------------|
| Relinquished By: <u>[Signature]</u> | Date: <u>6/19/15</u> | Time: <u>2:20</u> | Received By: <u>[Signature]</u> | Date: <u>6/19/15</u> | Time: <u>2:20</u> | Sample Condition | Checked By: <u>[Signature]</u> |
| | | | | | | Cap Intact | |
| | | | | | | Yes | |
| | | | | | | No | |

Delivered By: (Circle One) UPS 4:30

Sampler - UPS - Bus - Other:

REMARKS:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

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



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

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