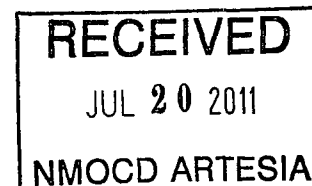




July 19, 2011

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

Subject: **Soil Assessment and Remediation Work Plan**  
Quantum Resources Management, LLC  
Artesia Battery Transfer Line Release  
API # 30-015-01783 – 2RP-768



Dear Mr. Bratcher,

Quantum Resources Management, LLC has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Artesia Battery Transfer Line release. The results of our soil assessment and proposed remediation activities consist of the following:

#### **Incident Date**

April 20, 2011

#### **Background Information**

The Artesia Battery Transfer Line is located approximately sixteen (16) miles southeast of Artesia, New Mexico. The legal location for the site is Section 2, Township 18 South and Range 28 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.7814 North and -104.14802 West.

This site lies on undulating plains and low hills consisting of wind worked sandy deposits. Drainage courses in this area are normally dry. The local surface and shallow geology consists of Quaternary Age sedimentary deposits comprised of alluvium and eolian sands underlain by sand stone and hard caliches. The New Mexico State Engineer web site indicates the nearest ground water data to be in S34-T17S-R28E. The ground water in Section 34 is reported to be at an average depth of 53' 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'

ENVIRONMENTAL CONSULTING  
ENGINEERING  
DRILLING  
CONSTRUCTION  
SPILL MANAGEMENT  
GENERAL CONTRACTING

Toll Free: 866.742.0742  
www.talonlpe.com

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 575.393.4858

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

## Incident Description

On April 20, 2011 the water transfer line was found to be leaking. The line was shut-in, repaired and placed back into service. Fifteen (15) barrels of produced water was released with no fluids recovered. The release is located on the transfer line west of the Artesia Unit No. 34 well location. The impacted area was measured to be approximately 32-feet long by 21-feet wide. The visually impacted soil was immediately excavated to a depth of 4-feet and placed on a liner. The excavated area along the water transfer line measured approximately 32-feet long by 8-feet wide.

## Actions Taken

On April 27, 2011 Talon mobilized personnel to begin the assessment and soil sampling for the construction of a work plan. Grab soil samples were collected utilizing a backhoe. The soil samples labeled S-1 were collected from the impacted area to a depth of 8-feet below land surface.

On May 26, 2011 Talon mobilized personnel again to the site for additional samplings at greater depths utilizing a split spoon auger rig. Grab soil samples from location S-2 were collected from inside the impacted area from the depth of 10-feet bgs to a depth of 20-feet bgs. Additional samples were collected at S-1 at a depth of 10-feet and 14-feet. Refusal was encountered at 20-feet below land surface.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis of chlorides using method SM4500Cl-B. The complete laboratory report is attached as Appendix II.

## Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

May 25, 2011			June 4, 2011		
<u>Sample</u>	<u>Depth</u>	<u>Chlorides (mg/kg)</u>	<u>Sample</u>	<u>Depth</u>	<u>Chlorides (mg/kg)</u>
S-1	1'	51200	S-1	10'	32
S-1	2'	10400	S-1	14'	528
S-1	4'	15600	S-2	10'	320
S-1	6'	15200	S-2	14'	6080
S-1	8'	1500	S-2	20'	416

## Summary and Conclusion

- Groundwater in the project vicinity is greater than 50-feet below land surface per the New Mexico State Engineer Database.
- Based upon the results of the laboratory data obtained for this investigation, the vertical impacts of the chloride release have been documented at 528 mg/kg at S-1 and 416 mg/kg in the soil sample S-2 at 20-feet bgs.

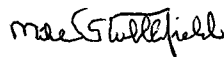
## Proposed Remedial Actions

- The chloride impacted soil from this release will be excavated to a depth of 4-foot deep. The excavated soil will be transported to an NMOCD approved solid waste disposal facility.
- Post excavation soil samples will be collected from the side walls of the excavated area. The soil samples collected will be submitted to Cardinal Laboratories for analysis of total chlorides using method SM4500Cl-B.
- Upon NMOCD approval of the confirmation samples, a 20 Mil liner will then be installed into the bottom of the excavated area.
- The excavated area will be backfilled to grade using new material transported from a local borrow pit, contoured to match existing terrain and seeded using an approved seed mixture for the area.
- A final report will be provided to the NMOCD Artesia Office including 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

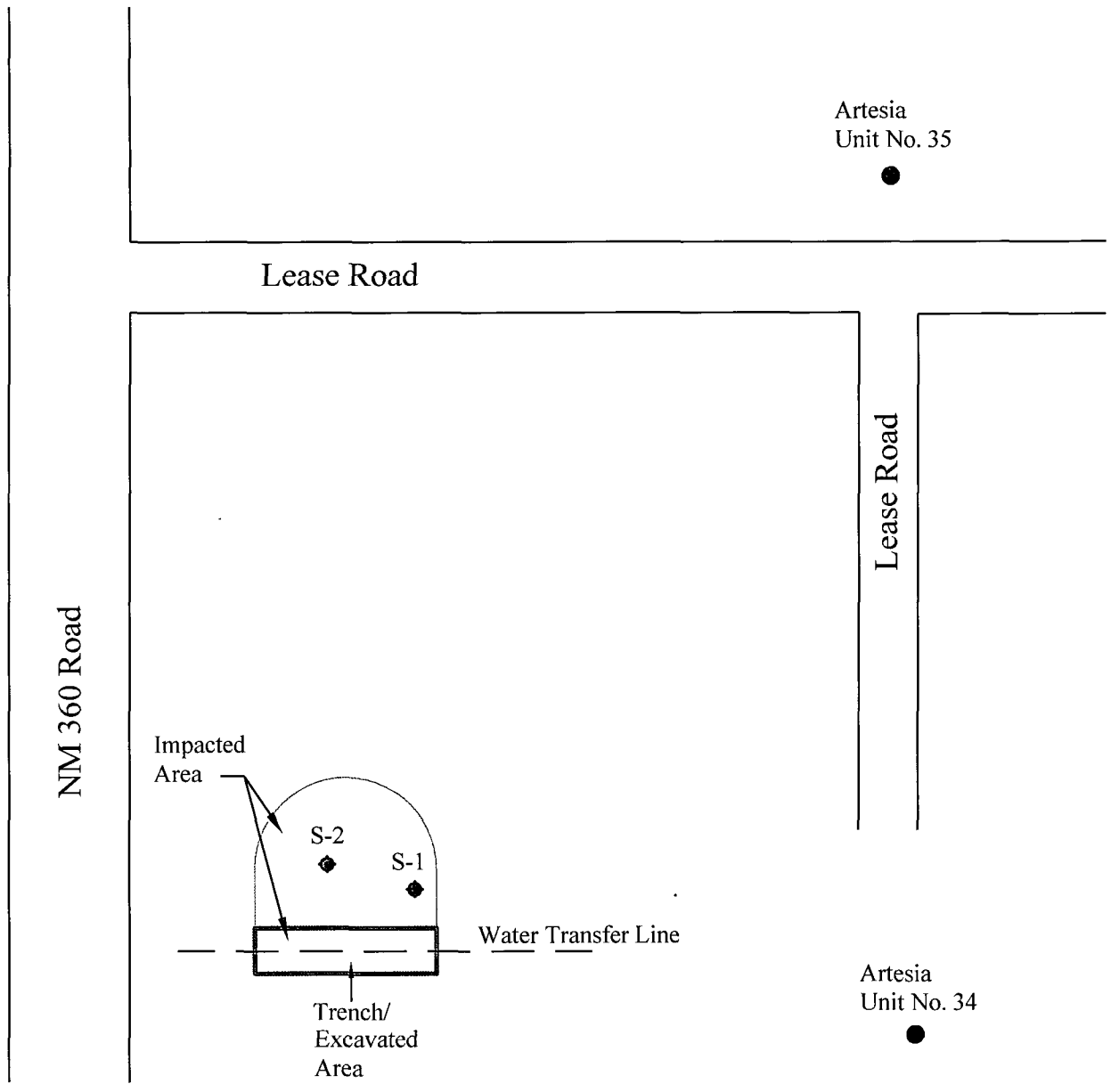


Mike Stubblefield  
Project Manager



David J. Adkins  
District Manager

## **SITE MAP**



Legend

- Sample Locations  
 - Water Transfer Line



0 15 30  
 Scale in Feet



Date: 07/08/2011  
 Scale: 1" = 30'  
 Drawn By: TJS

Artesia Battery Transfer Line - Artesia Unit No. 34  
 Quantum Resources Management, LLC  
 Eddy County, New Mexico  
 Site Plan

**APPENDIX I**  
**GROUNDWATER DATA**  
**INITIAL C-141**

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

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	Quantum Resources Management, LLC	Contact	Garrett Newton
Address	1905 West Sears Ave., Artesia, New Mexico 88210	Telephone No.	575-513-0230
Facility Name	Artesia Battery Transfer line	Facility Type	Water Transfer line

Surface Owner State	Mineral Owner State	Lease No.
---------------------	---------------------	-----------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	2	T18S	R28E	330'	FNL	2310'	FEL	EDDY

Latitude 32.78140N Longitude 104.14802W

**NATURE OF RELEASE**

Type of Release Produced	Water	Volume of Release	15 BBLS	Volume Recovered	-0-
Source of Release	Water Transfer line	Date and Hour of Occurrence	04/20/2011 9:00 am	Date and Hour of Discovery	same
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	NMOCD/Mike Bratcher		
By Whom?	Garrett Newton	Date and Hour	04/20/2011 11:45 pm		
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.\*

The Artesia Battery Transfer line was found to be leaking. The line was shut-in, excavated and repaired.  
The impacted soil was excavated and placed on a liner.

**RECEIVED**

APR 28 2011

**NMOCD ARTESIA**


Describe Area Affected and Cleanup Action Taken.\*

The release was located on the Transfer line west of the Artesia Unit No. 34 well location. The weather at the time of the release was dry and windy. The impacted area was measured to be thirty-two feet (32') long by twenty-one feet (21') wide. Calon LPE has been contracted for the construction of a work plan and the correction of the impacted area.

**RECEIVED**  
JUL 20 2011  
**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: 	Approved by District Supervisor:		
Printed Name: Garrett Newton	Approval Date:	Expiration Date:	
Title: Field Supervisor	Conditions of Approval:		Attached <input type="checkbox"/>
E-mail Address: gnewton@pytnetworks.net			
Date: 04/22/2011	Phone: 575-513-0230		



# 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)

Sub-basin Use County											Q Q Q		Depth Depth Water		
POD-Number	basin	Use	County	64	16	4	Sec	Tws	Rng	X	Y	Well	Water	Column	
L 07643		DOM	LE	4	4	2	34	17S	28E	578979	3628574*	120	53	67	
													Average Depth to Water:		53 feet
													Minimum Depth:		53 feet
													Maximum Depth:		53 feet

Record Count: 1

PLSS Search:

Township: 17S Range: 28E

\*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.



**APPENDIX II**  
**LABORATORY RESULTS**

May 25, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ARTESIA BATTERY TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/24/11 10:21.

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.

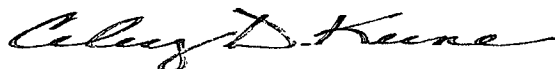
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	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:	05/24/2011	Sampling Date:	04/27/2011
Reported:	05/25/2011	Sampling Type:	Soil
Project Name:	ARTESIA BATTERY TRANSFER LINE	Sampling Condition:	** (See Notes)
Project Number:	701402.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC.2.T18S.R28E		

**Sample ID: S - 1 - 0' (H101056-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	51200	16.0	05/25/2011	ND	432	108	400	0.00	

**Sample ID: S - 1 - 2' (H101056-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	05/25/2011	ND	432	108	400	0.00		

**Sample ID: S - 1 - 4' (H101056-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15600	16.0	05/25/2011	ND	432	108	400	0.00		

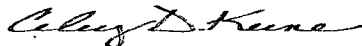
**Sample ID: S - 1 - 6' (H101056-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	05/25/2011	ND	432	108	400	0.00	

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:	05/24/2011	Sampling Date:	04/27/2011
Reported:	05/25/2011	Sampling Type:	Soil
Project Name:	ARTESIA BATTERY TRANSFER LINE	Sampling Condition:	** (See Notes)
Project Number:	701402.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC.2.T18S.R28E		

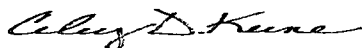
**Sample ID: S - 1 - 8' (H101056-05)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15000	16.0	05/25/2011	ND	432	108	400	0.00		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

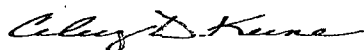
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager

# Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>Talon/LPE</b>				<b>ANALYSIS REQUEST</b>			
Project Manager: <b>Mike Stubblefield</b>				P.O. #:			
Address: <b>402 W. Texas Ave.</b>				Company: <b>Quantum Res.</b>			
City: <b>Artesia</b>		State: <b>NM</b>		Zip: <b>88210</b>		Attn:	
Phone #: <b>505-441-7254</b>		Fax #: <b>505-246-8909</b>		Address:			
Project #: <b>201402.010.01</b>		Project Owner: <b>Quantum Resources</b>		City:			
Project Name: <b>Artesia Battery Transfer Line</b>				State:		Zip:	
Project Location: <b>Sr. 2 - T185 - B78E</b>				Phone #:			
Sampler Name: <b>Joe Stubblefield</b>				Fax #:			

FOR LAB USE ONLY		(GRAB OR (O)OMP. # CONTAINERS	MATRIX					PRESERV		SAMPLING		Total Chemicals	
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER :		DATE
<b>H101056</b>													
1	S-1-0	2			✓				✓		4/22/2011	3:16 P	✓
2	S-1-2	2			✓				✓		4/22/2011	3:18 P	✓
3	S-1-4	2			✓				✓		4/22/2011	3:23 P	✓
4	S-1-6	2			✓				✓		4/22/2011	3:24 P	✓
5	S-1-8	2			✓				✓		4/22/2011	3:42 P	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <b>Mike Stubblefield</b>	Date: <b>5/24/2011</b>	Received By: <b>Jodi Benson</b>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <b>10:21A</b>		Fa: Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	Cool Intact/ <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <b>JS</b>

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



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

June 04, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ARTESIA BATTERY TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/02/11 11:45.

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 524.4	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:	06/02/2011	Sampling Date:	05/26/2011
Reported:	06/04/2011	Sampling Type:	Soil
Project Name:	ARTESIA BATTERY TRANSFER LINE	Sampling Condition:	** (See Notes)
Project Number:	701402.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC.2.T18S.R28E		

**Sample ID: S-1 10' (H101137-01)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/03/2011	ND	416	104	400	3.77		

**Sample ID: S-1 14' (H101137-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	06/03/2011	ND	416	104	400	3.77	

**Sample ID: S-2 10' (H101137-03)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/03/2011	ND	416	104	400	3.77	

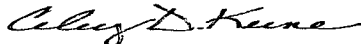
**Sample ID: S-2 14' (H101137-04)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	06/03/2011	ND	416	104	400	3.77		

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	06/02/2011	Sampling Date:	05/26/2011
Reported:	06/04/2011	Sampling Type:	Soil
Project Name:	ARTESIA BATTERY TRANSFER LINE	Sampling Condition:	** (See Notes)
Project Number:	701402.010.01	Sample Received By:	Jodi Henson
Project Location:	SEC.2.T18S.R28E		

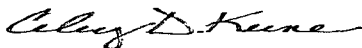
**Sample ID: S-2 20' (H101137-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	06/03/2011	ND	432	108	400	3.77		

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

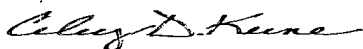
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

# Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Maryland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

### ANALYSIS REQUEST

Company Name: Water/LP  
Project Manager: Water/LP

Address: 488 W. Main  
City: Albuquerque State: NM zip: 87102

Phone #: 505-746-8768 Fax #: 505-746-8765  
Project #:

Project Name: Albuquerque Battery Storage Line  
Project Location: 2-7185-A28E

Sample Name: Mike Stubbins  
FOR LAB USE ONLY

Lab I.D. Sample I.D.

Matrix: ☐ (G) GAS OR (C) COMP. ☐ # CONTAINERS

GROUNDWATER ☐ WASTEWATER ☐ SOIL ☐ OIL ☐ SLUDGE ☐ OTHER:

ACID/BASE. ☐ ICE / COOL ☐ OTHER: ☐

DATE TIME

110137

-1 S-1 10' -

2 S-1 14' -

3 S-2 10' -

4 S-2 14' -

5 S-2 20' -

6 S-2 20' -

7 S-2 20' -

8 S-2 20' -

9 S-2 20' -

10 S-2 20' -

11 S-2 20' -

12 S-2 20' -

13 S-2 20' -

14 S-2 20' -

Total Chlorides

PLEASE NOTE: Liability and Damages. Certain liability and client's services are provided by any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the services. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, except when such claim is based upon any of the above stated persons or otherwise.

Relinquished By: 10/21/11 Date: 11/05 Received By: Chad Stubbins

Relinquished By: 10/21/11 Date: 11/05 Received By: Chad Stubbins

Relinquished By: 10/21/11 Date: 11/05 Received By: Chad Stubbins

Relinquished By: 10/21/11 Date: 11/05 Received By: Chad Stubbins

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Relinquished By: 10/21/11 Date: 11/05 Received By: Chad Stubbins

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Sample Condition: Cool ☒ Intact ☐ Yes ☐ No

Checked By: Chad Stubbins

Sampler - UPS - Bas - Other: 26

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