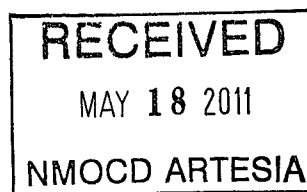




May 17, 2011



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

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

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

Subject: Soil Assessment and Remediation Work Plan
Linn Operating, New Mexico
Turner B No. 103 release

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

Dear Mr. Bratcher,

Linn Operating has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Turner B No. 103 release. Talon's assessment results and proposed work plan to perform remediation activities consist of the following:

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

Incident Date

December 10, 2010

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

Background Information

The Turner B No. 103 is located approximately thirty-one (31) miles southeast of Artesia, New Mexico. The legal location for the site is Section 20, Township 17 South and Range 31 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.82372 North and -103.88751 West.

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

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 includes silty and clayey soils underlain by dense caliche layers and sand stone. The New Mexico State Engineer web site indicates the nearest ground water data to be in S7-T18S-R32E. The ground water depth in the area is reported to be at a depth of 460' below ground surface (bgs).

The ranking for this site is 0 based on the as following:

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
EMERGENCY RESPONSE

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

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

On December 10, 2010 the flow line located at the Turner B No. 103 ruptured. The flow line was taken out of service, repaired and placed back into service. Twelve (12) barrels of produced water and hydrocarbons were released. A vacuum truck was brought to the location and nine (9) barrels of mixed fluids were recovered. The impacted area was located by the pumping unit. The release ran across the location (90'x15') and down the hillside due south of the location. The first flow paths on the hillside are estimated to be two hundred fifty-nine feet (259') long by one to two feet (1-2') wide. The second flow path which flowed off the location going due west was measured to be two hundred feet (200') by one to two feet (1-2') wide. There were no pooling areas located at the end of the flow paths.

Actions Taken

On March 10, 2011 Talon/LPE mobilized personnel were on the site to begin the assessment and soil sampling for the construction of a work plan. Grab soil samples were collected utilizing a hand auger. The soil samples labeled S-1 were collected from the impacted area located on the location. Soil samples labeled S-2 and S-3 were collected from the flow paths located on the hillside.

The grab soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, stored on ice and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using Method 8015M, and volatile organics (BTEX) using Method 8021B. The chlorides were analyzed per SM4500CLB. All analytical testing was performed on a standard turn-around basis. The complete laboratory report is attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

<u>Sample, Depth</u>	<u>Chlorides</u>	<u>BTEX</u>	<u>TPH (mg/kg)</u>
S-1, 0'	30800	ND*	10400
S-1, 1'	3160	ND*	27
S-1, 3'	752	**	**
S-1, 6'	512	**	**

<u>Sample, Depth</u>	<u>Chlorides</u>	<u>BTEX</u>	<u>TPH (mg/kg)</u>
S-2, 0'	1460	<50	25460
S-2, 1'	624	<50	4309
S-2, 3'	96	**	**
S-2, 6'	32	**	**
S-3, 0'	64	<50	4260
S-3, 1'	256	256	364
S-3, 3'	272	**	**
S-3, 6'	496	**	**

* ND Not Detected within laboratory method detection limits

** Analyte not tested

Summary and Conclusions

- Ground water in the project vicinity is greater than 100-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 defined <1000 mg/kg at 3-feet deep in the impacted area on the location. The vertical impacted of the chloride release have been defined to <1000mg/kg at 1-foot deep the flow paths off the location.
- Total Petroleum Hydrocarbons were determined to be <5000 mg/kg at 1-foot deep in the impacted areas.
- Based on the reported depth to groundwater, the chloride and petroleum levels detected in the soil for this study are unlikely to pose a threat to groundwater.

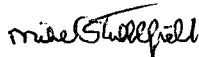
Proposed Remedial Actions

- The impacted soil on location and within the flow paths will be excavated and transported to an NMOCD approved solid waste disposal facility for disposal.
- Soil samples will be collected from the excavated areas. The soil samples will be submitted to lab for TPH analysis using Method 8015M, BTEX analysis using Method 8021B, and total chlorides will be tested per method SM4500CLB.
- When analytical results from soil samples collected report the TPH, BTEX and Benzene to be less than the Recommended Action Level (RRAL) for the area ranking, remedial activities will cease. The BTEX will be corrected to 50 mg/kg, Benzene will be corrected to 10 mg/kg, TPH to <5000 mg/kg, and chlorides will be corrected <1000 mg/kg, or as agreed upon.
- Analytical results will be submitted to the New Mexico Oil Conservation Division (NMOCD) Artesia office. When closure permission is granted by NMOCD, the excavated area will be backfilled back to grade using new material transported from a local borrow pit.
- A final report with all analytical results will be provided to the NMOCD Artesia Office utilizing Form C-141.

If we can be of further assistance, or if more information is required, please call our office at 575-441-7254 or contact us at mstubblefield@talonlpe.com.

Respectfully submitted,

TALON/LPE



Mike Stubblefield
Project Manager



David J. Adkins
District Manager

GROUNDWATER DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 11590 POD4			ED	4	1	1	32	17S	31E	603308	3629253	2512	55		
RA 11590 POD3			ED	3	1	2	32	17S	31E	603932	3629260	2601	60		
RA 11590 POD1			ED	2	1	3	32	17S	31E	603315	3628545	3220	158		
CP 00896	STK		ED	1	4	4	14	18S	31E	609166	3623398*	10259	400		
CP 00672	STK		LE	4	4	07	18S	32E		612475	3624947*	11487	540	460	80
RA 10175	SAN		LE	2	1	28	17S	32E		614814	3631005*	11609	158		
L 10206	STK		LE	2	2	23	16S	31E		609045	3642204*	11949	280		
CP 00818	STK		LE	1	4	26	18S	30E		599289	3620364*	12062	240		
CP 00566	DOM		LE	4	4	1	04	18S	32E	614960	3627280*	12559	133	65	68
L 10203	STK		LE	4	4	2	14	16S	31E	609130	3643310*	12965	310		
RA 08855	DOM		LE	4	1	1	10	17S	32E	616061	3635742*	13434	158		
L 04639 APPRO	STK		LE	4	2	19	16S	32E		612271	3641840*	13537	251	220	31
RA 09505	PDL		LE	2	2	1	10	17S	32E	616462	3635944	13877	147		
RA 09505 S	PDL		LE	2	2	1	10	17S	32E	616463	3635945*	13878	144		
L 04021	MUN		LE	3	4	03	17S	32E		616761	3636252*	14256	247		
L 04021 S	MUN		LE	4	3	2	03	17S	32E	616850	3636955*	14576	260		

Average Depth to Water: **248 feet**

Minimum Depth: **65 feet**

Maximum Depth: **460 feet**

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 603229

Northing (Y): 3631765

Radius: 15000

*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.

LABORATORY REPORT

March 23, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURNER B #103

Enclosed are the results of analyses for samples received by the laboratory on 03/11/11 16:50.

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

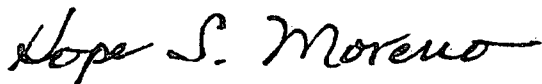
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	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,



Hope Moreno

Inorganic Technical Director

Analytical Results For:

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

Received: 03/11/2011
Reported: 03/23/2011
Project Name: TURNER B #103
Project Number: 700813.004.01
Project Location: SEC.20-T17S. R31E

Sampling Date: 03/10/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 1 0' LOCATION SAMPLE (H100487-01)
BTEX 8021B

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2011	ND	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	03/16/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	<0.050	0.050	03/16/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/16/2011	ND	6.31	105	6.00	7.00	

Surrogate: 4-Bromofluorobenzene (PIL) 91.8 % 70-130

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30800	16.0	03/15/2011	ND	416	104	400	0.00	

TPH 8015M

mg/kg

Analyzed By: CK/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	03/15/2011	ND	181	90.5	200	2.54	
DRO >C10-C28	10400	100	03/15/2011	ND	193	96.7	200	2.06	

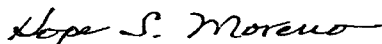
Surrogate: 1-Chlorooctane 81.1 % 70-130

Surrogate: 1-Chlorooctadecane 85.3 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

Received: 03/11/2011
Reported: 03/23/2011
Project Name: TURNER B #103
Project Number: 700813.004.01
Project Location: SEC.20-T17S. R31E

Sampling Date: 03/10/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 1 1' LOCATION SAMPLE (H100487-02)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2011	ND	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	<0.050	0.050	03/15/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/15/2011	ND	6.31	105	6.00	7.00	

Surrogate: 4-Bromofluorobenzene (PIL) 99.0 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	03/15/2011	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2011	ND	181	90.5	200	2.54	
DRO >C10-C28	27.0	10.0	03/15/2011	ND	193	96.7	200	2.06	

Surrogate: 1-Chlorooctane 101 % 70-130

Surrogate: 1-Chlorooctadecane 97.2 % 70-130

Sample ID: S - 1 3' LOCATION SAMPLE (H100487-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/15/2011	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

Received: 03/11/2011
Reported: 03/23/2011
Project Name: TURNER B #103
Project Number: 700813.004.01
Project Location: SEC.20-T17S. R31E

Sampling Date: 03/10/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 1 6' LOCATION SAMPLE (H100487-04)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/15/2011	ND	416	104	400	0.00	

Sample ID: S - 2 0' FLOWPATH SAMPLE (H100487-05)

BTX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/15/2011	ND	2.03	102	2.00	10.0	
Toluene*	2.64	0.500	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	11.4	0.500	03/15/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	19.8	1.50	03/15/2011	ND	6.31	105	6.00	7.00	

Surrogate: 4-Bromofluorobenzene (PIL) 95.1 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	03/23/2011	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1160	100	03/15/2011	ND	181	90.5	200	2.54	
DRO >C10-C28	24300	100	03/15/2011	ND	193	96.7	200	2.06	

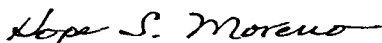
Surrogate: 1-Chlorooctane 79.3 % 70-130

Surrogate: 1-Chlorooctadecane 91.4 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

Received: 03/11/2011
Reported: 03/23/2011
Project Name: TURNER B #103
Project Number: 700813.004.01
Project Location: SEC.20-T17S. R31E

Sampling Date: 03/10/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 2 1' FLOWPATH SAMPLE (H100487-06)

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/16/2011	ND	2.03	102	2.00	10.0	
Toluene*	2.21	0.500	03/16/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	12.8	0.500	03/16/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	24.5	1.50	03/16/2011	ND	6.31	105	6.00	7.00	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/23/2011	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	769	100	03/16/2011	ND	181	90.5	200	2.54	
DRO >C10-C28	3540	100	03/16/2011	ND	193	96.7	200	2.06	

Surrogate: 1-Chlorooctane 72.8 % 70-130

Surrogate: 1-Chlorooctadecane 80.6 % 70-130

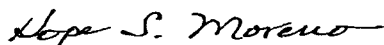
Sample ID: S - 2 3' FLOWPATH SAMPLE (H100487-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/15/2011	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

Received: 03/11/2011
Reported: 03/23/2011
Project Name: TURNER B #103
Project Number: 700813.004.01
Project Location: SEC.20-T17S. R31E

Sampling Date: 03/10/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 2 6' FLOWPATH SAMPLE (H100487-08)

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	03/15/2011	ND	416	104	400	0.00	

Sample ID: S - 3 0' FLOWPATH SAMPLE (H100487-09)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2011	ND	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	03/16/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	1.31	0.050	03/16/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	3.19	0.150	03/16/2011	ND	6.31	105	6.00	7.00	

Surrogate: 4-Bromofluorobenzene (PIL) 99.3 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2011	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	220	100	03/16/2011	ND	181	90.5	200	2.54	
DRO >C10-C28	4040	100	03/16/2011	ND	193	96.7	200	2.06	

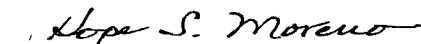
Surrogate: 1-Chlorooctane 77.7 % 70-130

Surrogate: 1-Chlorooctadecane 77.1 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

Received: 03/11/2011
Reported: 03/23/2011
Project Name: TURNER B #103
Project Number: 700813.004.01
Project Location: SEC.20-T17S. R31E

Sampling Date: 03/10/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 3 1' FLOWPATH SAMPLE (H100487-10)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2011	ND	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	03/16/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	<0.050	0.050	03/16/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/16/2011	ND	6.31	105	6.00	7.00	

Surrogate: 4-Bromofluorobenzene (PIL) 99.9 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/15/2011	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2011	ND	181	90.5	200	2.54	
DRO >C10-C28	364	10.0	03/16/2011	ND	193	96.7	200	2.06	

Surrogate: 1-Chlorooctane 100 % 70-130

Surrogate: 1-Chlorooctadecane 94.1 % 70-130

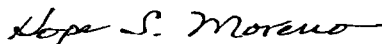
Sample ID: S - 3 3' (H100487-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/15/2011	ND	400	100	400	0.00	

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

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

Received: 03/11/2011
Reported: 03/23/2011
Project Name: TURNER B #103
Project Number: 700813.004.01
Project Location: SEC.20-T17S. R31E

Sampling Date: 03/10/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 3 6' (H100487-12)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/15/2011	ND	400	100	400	0.00	

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* = Accredited Analyte

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Hope Moreno, Inorganic Technical Director


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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Hope Moreno, Inorganic Technical Director

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Cardinal cannot accept verbal changes. Please: fix within changes to 5/19/03. 2/1/03

#26

Cardinal Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

100 East Highland, Peoria, IL 61624
(876) 200-2222 FAX (876) 200-2474

2-2

Company Name		ANALYSIS REQUEST	
Talon/LPE		P.O. #	
Project Manager: Mike Stubblefield		Company: Talon/LPE	
Address: 808 W. Texas Ave.		City:	
City: Peoria State: W.M. Zip: 61610		Address:	
Phone: 575-441-7254 Fax: 575-246-8906		City:	
Project #: 700813.004.01 Project Name:		State: Ill.	
Project Name: Turner B #103		Phone #:	
Project Location: sec. 30-T125-R31E		Fax #:	
Sampler Name: Mike Stubblefield			

Lab ID	Sample ID	VELOC. OF CONC.	CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	Total Chlorides
				GROUNDWATER	WASTEWATER	SOIL	SLURRY	OTHER	FOURSE	ICE / COOL	OTHER					
H100489-115-3	3'	✓				✓				✓				3/10/11	9:46A	✓
-125-3	6'	✓				✓				✓				3/10/11	9:54A	✓

PLEASE NOTE: Cardinal Laboratories and clients acknowledge that the use of this Chain of Custody form is limited to the analysis performed by the client for the analysis of the sample. Cardinal Laboratories and clients acknowledge that the use of this Chain of Custody form is limited to the analysis performed by the client for the analysis of the sample. Cardinal Laboratories and clients acknowledge that the use of this Chain of Custody form is limited to the analysis performed by the client for the analysis of the sample.

Retrieved By: Mike Stubblefield	Date: 3/11/11	Time: 1:37PM	Received By: JCB	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Retrieved By: JCB	Date: 3/11/11	Time: 16:50	Received By: Jodi Nussner	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: JCB	Date: 3/11/11	Time: 16:50	Received By: Jodi Nussner	REMARKS:	
Sample: NPS - Full	Date: 3/11/11	Time: 16:50	Received By: Jodi Nussner		

FORM C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
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 Linn Operating	Contact Dennis Potter
Address 13694 Lovington hwy. Loco Hills, N.M. 88255	Telephone No. 505-206-7673
Facility Name Turner B #103	Facility Type Producing well

Surface Owner BLM	Mineral Owner BLM	Lease No. LC-029395-B
-------------------	-------------------	-----------------------

LOCATION OF RELEASE

Unit Letter B	Section 20	Township 17S	Range 31E	Feet from the 1300'	North/South Line North Line	Feet from the 2590'	East/West Line West Line	County Eddy
------------------	---------------	-----------------	--------------	------------------------	--------------------------------	------------------------	-----------------------------	----------------

Latitude 32.82372 Longitude 103.88751

NATURE OF RELEASE

Type of Release Oil and produced water	Volume of Release 12 bbls	Volume Recovered 9 bbls
Source of Release flow line	Date and Hour of Occurrence 12/10/2010 am	Date and Hour of Discovery 12/10/2010 10:00 am
Was Immediate Notice Given? X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM/Terry Gregston	
By Whom? Dennis Potter	Date and Hour 12/10/2010 11:00am	
Was a Watercourse Reached? <input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse.	

Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The flow line at the Turner B #103 froze and plugged off, the flow line ruptured near the pumping unit. The well was shut-in and the flow line was repaired. A vacuum truck was brought to the location and free fluids were recovered.

RECEIVED

JAN 07 2011

NMOCD ARTESIA

Describe Area Affected and Cleanup Action Taken.*

The affected area was the location on the southside of the pumping unit est. to be 90' long x 15' wide. The release ran off the location in two narrow flow paths est. to be 250' long x 2' wide and 300' long x 2' wide. The impacted soil on the location was excavated and hauled to Lea Land LLC. A total of 10 cu. yds of impacted soil were hauled to Lea Land LLC. Talon/LPE has been contracted to collect soil samples and construct a work plan for the correction of the release.

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:

Dennis J. Potter

Printed Name: Dennis Potter

Production Specialist

E-mail Address: dpotter@linenergy.com

Date: 12/27/2010

505-
Phone: 206-7673

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐