Bratcher, Mike, EMNRD

From: Michael Stubblefield [mstubblefield@talonlpe.com]

Sent: Wednesday, January 18, 2012 8:56 AM

To: Bratcher, Mike, EMNRD

Cc: mbarrett@limerockresources.com; Jerry Smith

Subject: FW: STERLING 7 C NO 4 RELEASE

Attachments: H200069 TALON.pdf

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected on 1/12/2012 at the Stirling 7 C No. 4 release.

Based on the analytical results Lime Rock Resources, LLC is requesting approval to place the 20 Mil. liner into the excavated

area at the Stirling 7 C No. 4 and to start the backfilling of the excavated area using new soil transported to the location. If further information is required please contact me.

Mike Stubblefield

Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
(575) 746.8768 phone
(575) 746.8905 fax
(575) 441.7254 cell
www.talonlpe.com



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

From: Celey Keene [mailto:celey.keene@cardinallabsnm.com]

Sent: Tuesday, January 17, 2012 10:25 AM

To: Michael Stubblefield

Cc: David Adkins; Kimberly M. Wilson **Subject:** STERLING 7 C NO 4 RELEASE

THANK YOU,

Celey Keene Lab Director Cardinal Laboratories 101 East Marland Hobbs, NM 88240

T: (575) 393-2326 F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com

The information contained in this message is confidential and is only intended for the use of the individual/firm named above. If the reader of this message is not the intended recipient or the employee/agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by e-mail or telephone in order to return the message.



January 17, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: STERLING 7 C NO 4 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/12/12 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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.

Celez & Keine

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



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

01/12/2012

Sampling Date:

01/12/2012

Reported:

01/12/2012

Sampling Type:

Soil

Project Name:

STERLING 7 C NO 4 RELEASE

Sampling Condition:

Cool & Intact

Project Number:

NOT GIVEN

Sample Received By:

Celey D. Keene

Project Location:

SEC.8-T18S-27E

Sample ID: S-1 NORTHSIDE WALL (H200069-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2012	ND	2.09	104	2.00	2.07	
Toluene*	<0.050	0.050	01/13/2012	ND	2.20	110	2.00	2.39	
Ethylbenzene*	<0.050	0.050	01/13/2012	ND	2.22	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/13/2012	ND	6.94	116	6.00	3.78	
Surrogate 4-Bromofluorobenzene (PIL 110 %		% 64 4-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Analyte Result Reporting Limit		Analyzed	Analyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/13/2012	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/16/2012	ND	219	109	200	6.11	
DRO >C10-C28	<10.0	10.0	01/16/2012	ND	203	101	200	10.3	
Surrogate: 1-Chlorooctane	123	% 55 5-15	:4						
Surrogate 1-Chlorooctadecane	138	% 57 6-15	58						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE Lability and Damages Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or cort, 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 thinty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors ansing out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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

Celeg & Keene



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

Received:

01/12/2012

Reported:

01/17/2012

Sampling Date:

01/12/2012

Sampling Type:

Soil

Project Name:

STERLING 7 C NO 4 RELEASE

Sampling Condition:

Cool & Intact

Project Number:

NOT GIVEN

Sample Received By:

Celey D. Keene

Project Location:

SEC.8-T18S-27E

Sample ID: S-2 EASTSIDE WALL (H200069-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2012	ND	2.09	104	2.00	2.07	
Toluene*	<0.050	0.050	01/13/2012	ND	2.20	110	2.00	2.39	
Ethylbenzene*	<0.050	0.050	01/13/2012	ND	2.22	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/13/2012	ND	6.94	116	6.00	3.78	
Surrogate 4-Bromofluorobenzene (PIL	112% 64 4-13		4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	01/13/2012	ND	416 104		400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/16/2012	ND	219	109	200	6.11	
DRO >C10-C28	<10.0	10.0	01/16/2012	ND	203	101	200	10.3	
Surrogate 1-Chlorooctane	129 9	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	143 9	% 57 6-15	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, 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 subsidianes, 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 & Keine



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

Fax To:

Received: Reported: 01/12/2012

01/17/2012

Project Name: Project Number: STERLING 7 C NO 4 RELEASE

Project Location:

NOT GIVEN SEC.8-T18S-27E Sampling Date:

01/12/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Celey D. Keene

Sample ID: S-3 SOUTHSIDE WALL (H200069-03)

Analyte	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2012	ND	2.09	104	2.00	2.07	
Toluene*	<0.050	0.050	01/13/2012	ND	2.20	110	2.00	2.39	
Ethylbenzene*	<0.050	0.050	01/13/2012	ND	2.22	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/13/2012	ND	6.94	116	6.00	3.78	
Surrogate 4-Bromofluorobenzene (PIL	rogate 4-Bromofluorobenzene (PIL 109 % 64 4-1.		4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	nalyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	01/13/2012	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/16/2012	ND	219	109	200	6.11	
DRO >C10-C28	<10.0	10.0	01/16/2012	ND	203	101	200	10.3	
Surrogate 1-Chlorooctane	103	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	108	% 57 6-15	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE Liability and Damages Cardinal's liability and client's exclusive remedy for any claim airsing, 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 waved unless made in writing and received by Cardinal within thiny (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 substiarines, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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.

Celeg & Kuna

Celey D. Keene, Lab Director/Quality Manager



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

(575) 745-8905 Fax To:

Received:

01/12/2012

Sampling Date:

01/12/2012

Reported:

Soil

01/17/2012

Sampling Type:

Project Name:

STERLING 7 C NO 4 RELEASE

Sampling Condition: Sample Received By: Cool & Intact Celey D. Keene

Project Number:

NOT GIVEN

Project Location: SEC.8-T18S-27E

Sample ID: S-4 WESTSIDE WALL (H200069-04)

BTEX 8021B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2012	ND	2.09	104	2.00	2.07	
Toluene*	<0.050	0.050	01/13/2012	ND	2.20	110	2.00	2.39	
Ethylbenzene*	<0.050	0.050	01/13/2012	ND	2.22	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/13/2012	ND	6.94	116	6.00	3.78	
Surrogate 4-Bromofluorobenzene (PIL	111% 64.4-13-		4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/13/2012	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/16/2012	ND	219	109	200	6.11	
DRO >C10-C28	<10.0	10.0 .	01/16/2012	ND	203	101	200	10.3	
Surrogate 1-Chlorooctane	124	% 55 5-15	4						
Surrogate 1-Chlorooctadecane	137	% 57 6-15	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages Cardinal's liability and clients 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 lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiance, 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. Kiene

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

PLEASE NOTE Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, 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 lable 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 claims 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 Laborationss.

Celeg & treme



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

					1	ANALYSIS REQUEST																		
Project Manage	or: mike Grubble field						P.	P.O. #:							T	T					Π			
Address: 408 West Texas Bur C						C	Company: Talon/LPE]						į.			1				
1						A	Attn:												ĺ					
2					A	ddre	ss:		_					1		1		1	1	1				
Project #:	Projec	t Owner: Li	4c	Rock	Res		Ci	City:							1					1] [
				St	ate:			Zip:		}							1		1					
Project Locatio	n: 506 8. T/85-RZ7E	•					Pł	none	#:				1					1		İ		ĺ		
Sampler Name:	mees well						Fa	Fax #:] ,		1 .			İ						
FOR LAB USE ONLY					MAT	RIX	7	PR	ESE	RV.	SAMPL	ING	\mathbb{H}	ı÷	17]						ļ		
Lab I.D. H200 <i>0(a</i> 9	Sample I.D. S-1 Northside wall S-2 Footside Wall	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL SI UDGE	OTHER ·	ACID/BASE	ICE / COOL	отнек ·	DATE	TIME	8015 M 7PH	80218 872	1									
01	5-1 Northside wall	/			1				1		1/14/12	9:41 A		/										
OZ	5. z Eagister Wall 5. 3. Southfile Wall 5.4 Wegfide Wall	/			1	\perp			1		1/12/12			/										
03	5.3. Southfide Wall				1		_		1		112/12		/	/	/	1	ļ		ऻ		<u> </u>	ļ		
94	5-4 Westeide Wall				/		- ∔	_	/	4	1/12/12	9:594		_	/	1	 			-	<u> </u>		 	
			_		-		-			4						-	-}	ļ	 	-	-			
<u> </u>			\dashv		++		+		-+	4					 	-				┼	├	ļ		
			\dashv		+i	+	+	-	-	\dashv						+	-	}	-	-	┼—	-		
			\dashv		++	+-	+	╂┤		+					ļ	╁	╁	+	+	├	 		 	
			-1	\dashv	+	+	\dagger		-	+						†	+		+	+	1-	-	 	
analyses All claims includin service. In no event shall C	d Damages Cardinal's liability and client's exclusive ng those for negligence and any other cause whatsoo ardinal be liable for incidental or consequental dama, ng out of or related to the performance of services he	ver shall be deemed jes, including without	warved Imstat	d untess n ion, busin	nade in i ess intei	witing ar	d rece	rved by	Cardir or loss	nai wit of prof	thin 30 days after fits incurred by i	r completion of the	ie applicab ries,	le	l	J		<u> </u>		'		<u> </u>		
Relinquished By	/: Date:			ed By	;							Phone Res	sult:	□ Ye		No		Phone						
Relinquished By	2.1 Time: 7:4	50			du	1	W	W	zi	o		Fax Result		□ Ye	s L	No No	[Add'l	Fax #:						
Relinguished By Belivered By:	Date: 1/12/	2012 Red	eiv	il	n	orgit	U	N	V	7	D BY:													

Sampler - UPS - Bus - (ther)

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