From:	Clay, Bryan W
To:	Yu, Olivia, EMNRD
Subject:	FW: [EXTERNAL]RE: Buck Fed Deferment Report
Date:	Monday, December 18, 2017 7:04:25 AM
Attachments:	Conoco Phillips Red Hills West State 16 Lab ReportAug 17, 2017.pdf

Ms. Yu,

The samples pulled in May 2017 were field analysis only. When we met on August 25, 2017, you instructed me to pull confirmation samples, add a plot map with spill dimensions and confirm ground water depth with the NM State Engineering office. I sent the initial deferment report but you stated it was incomplete. We then decided to go back to the release site and resample starting at the ~ 0 – 6" surface sample and delineate to 7'. These samples were pulled within 1' of the initial delineation. We did remove 3" (~ 40 cu/yd) of material impacted during the 1RP-4262 release but have not conducted any further excavation on this site. I there are any additional questions or information needed, please let me know.

Regard,

Bryan Clay
Project Supervisor
Permian Shale/ Unconventional
Bryan.W.Clay@ConocoPhillips.com
Office: (432) 688-9063
Cell: (432) 213-3376

From: Yu, Olivia, EMNRD [mailto:Olivia.Yu@state.nm.us]
Sent: Friday, December 8, 2017 3:53 PM
To: Clay, Bryan W <Bryan.W.Clay@conocophillips.com>; Shelly Tucker <stucker@blm.gov>
Cc: Neuschafer, Michael P <Michael.P.Neuschafer@conocophillips.com>; McLaughlin, Joseph P <Joe.P.McLaughlin@conocophillips.com>; Acosta Quintero, Wendy <Wendy.AcostaQuintero@conocophillips.com>
Subject: [EXTERNAL]RE: Buck Fed Deferment Report

Dear Mr. Clay:

Several concerns regarding the request for deferment for 1RP-4431 and 1RP-4262:

1. Please provide the complete laboratory results with chain of command for the sample locations indicated on page 2 of the report.
2. Were the soil samples taken on May 2, 2017 from the same locations as on October 19, 2017?
3. Were the samples labeled as 'surface' taken several inches below pre-release surface? If

available, please provide depth or an estimate of the volume of impacted soil initially removed.

Thanks,

Olivia Yu
Environmental Specialist
NMOCD, District I
Olivia.yu@state.nm.us
575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Clay, Bryan W [mailto:Bryan.W.Clay@conocophillips.com]
Sent: Tuesday, November 14, 2017 11:56 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Neuschafer, Michael P <Michael.P.Neuschafer@conocophillips.com>; McLaughlin, Joseph P <Joe.P.McLaughlin@conocophillips.com>; Acosta Quintero, Wendy <Wendy.AcostaQuintero@conocophillips.com>
Subject: FW: Buck Fed Deferment Report

Ms. Yu,

Here is the information we discussed for closing the Buck Federal Battery release site. If you have any questions, please do not hesitate to give me a call.

Bryan Clay
Project Supervisor
Permian Shale/ Unconventional
Bryan.W.Clay@ConocoPhillips.com
Office: (432) 688-9063
Cell: (432) 213-3376

From: Clay, Bryan W [mailto:Bryan.W.Clay@conocophillips.com]
Sent: Tuesday, November 14, 2017 12:27 PM
To: Clay, Bryan W <Bryan.W.Clay@conocophillips.com>

Subject: Buck Fed Deferment Report

PRELIMINARY RESULTS

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

1RP-4262 &
1RP-4431.

PBELAB

Analytical Report

Prepared for:

Von Norman
Stingray Environmental & Construction
11420 W County Rd 33
Midland, TEXAS 79707

Project: Concho Phillips Red Hills West State 16
Project Number: Concho Phillips Red Hills West State 16
Location:

Lab Order Number: 7H07013

NELAP/TCEQ # T104704516-16-7

Report Date: 08/17/17

Stingray Environmental & Construction	Project: Concho Phillips Red Hills West State 16	Fax:
11420 W County Rd 33	Project Number: Concho Phillips Red Hills West State 16	
Midland TEXAS, 79707	Project Manager: Von Norman	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WW 2'	7H07013-01	Soil	08/04/17 11:56	08-07-2017 14:15
NW 2'	7H07013-02	Soil	08/04/17 12:20	08-07-2017 14:15
EW 2'	7H07013-03	Soil	08/04/17 12:38	08-07-2017 14:15
SW 2'	7H07013-04	Soil	08/04/17 12:50	08-07-2017 14:15

Stingray Environmental & Construction	Project: Concho Phillips Red Hills West State 16	Fax:
11420 W County Rd 33	Project Number: Concho Phillips Red Hills West State 16	
Midland TEXAS, 79707	Project Manager: Von Norman	

WW 2'

7H07013-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	**2670**	26.6	mg/kg dry	25	P7H0910	08/09/17	08/13/17	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P7H0809	08/08/17	08/08/17	ASTM D2216	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Stingray Environmental & Construction	Project: Concho Phillips Red Hills West State 16	Fax:
11420 W County Rd 33	Project Number: Concho Phillips Red Hills West State 16	
Midland TEXAS, 79707	Project Manager: Von Norman	

NW 2'

7H07013-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**242**	1.18	mg/kg dry	1	P7H0910	08/09/17	08/13/17	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	P7H0809	08/08/17	08/08/17	ASTM D2216	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Stingray Environmental & Construction	Project: Concho Phillips Red Hills West State 16	Fax:
11420 W County Rd 33	Project Number: Concho Phillips Red Hills West State 16	
Midland TEXAS, 79707	Project Manager: Von Norman	

EW 2'

7H07013-03 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**338**	10.9	mg/kg dry	10	P7H0910	08/09/17	08/13/17	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P7H0809	08/08/17	08/08/17	ASTM D2216	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Stingray Environmental & Construction	Project: Concho Phillips Red Hills West State 16	Fax:
11420 W County Rd 33	Project Number: Concho Phillips Red Hills West State 16	
Midland TEXAS, 79707	Project Manager: Von Norman	

SW 2'

7H07013-04 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**726**	26.3	mg/kg dry	25	P7H0910	08/09/17	08/13/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7H0809	08/08/17	08/08/17	ASTM D2216	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7H0809 - * DEFAULT PREP *** **										
Blank (P7H0809-BLK1)				Prepared & Analyzed: 08/08/17						
% Moisture	ND	0.1	%							
Duplicate (P7H0809-DUP1)		**Source: 7H07006-21**		Prepared & Analyzed: 08/08/17						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P7H0809-DUP2)		**Source: 7H07013-04**		Prepared & Analyzed: 08/08/17						
% Moisture	6.0	0.1	%		5.0			18.2	20	
Batch P7H0910 - * DEFAULT PREP *** **										
Blank (P7H0910-BLK1)				Prepared: 08/09/17 Analyzed: 08/13/17						
Chloride	ND	1.00	mg/kg wet							
LCS (P7H0910-BS1)				Prepared: 08/09/17 Analyzed: 08/13/17						
Chloride	375	1.00	mg/kg wet	400		93.8	80-120			
LCS Dup (P7H0910-BSD1)				Prepared: 08/09/17 Analyzed: 08/13/17						
Chloride	390	1.00	mg/kg wet	400		97.6	80-120	4.03	20	
Duplicate (P7H0910-DUP1)		**Source: 7H07010-01**		Prepared: 08/09/17 Analyzed: 08/13/17						
Chloride	752	5.62	mg/kg dry		793			5.29	20	
Duplicate (P7H0910-DUP2)		**Source: 7H07012-07**		Prepared: 08/09/17 Analyzed: 08/13/17						
Chloride	2940	26.3	mg/kg dry		2830			3.62	20	
Matrix Spike (P7H0910-MS1)		**Source: 7H07010-01**		Prepared: 08/09/17 Analyzed: 08/13/17						
Chloride	2300	5.62	mg/kg dry	1120	793	134	80-120			QM-05

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Stingray Environmental & Construction	Project: Concho Phillips Red Hills West State 16	Fax:
11420 W County Rd 33	Project Number: Concho Phillips Red Hills West State 16	
Midland TEXAS, 79707	Project Manager: Von Norman	

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 8/17/2017

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 797061
Phone: 432-686-7235

Project Manager: Von Norman
Company Name: Stingray E&C
Company Address:
City/State/Zip:
Telephone No: Fax No:
Sampler Signature: Von Norman e-mail:

Project Name: ConocoPhillips Red Hills West Sta 16
Project #: " " " " " "
Project Loc:
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only) ORDER #: 711001713

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	WW		2'	8-4-17	11:50 AM		1									S											✓		✓
2	NW		2'	8-4-17	12:20 PM		1									S											✓		✓
3	EW		2'	8-4-17	12:38 PM		1									S											✓		✓
4	SW		2'	8-4-17	12:50 PM		1									S											✓		✓

Special Instructions: Straight from field

Relinquished by:	Date	Time	Received by:	Date	Time
Von Norman	8-7-17	2:15 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date 8-7-17	Time 1415

Laboratory Comments:

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered	N
by Sampler/Client Rep. ?	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: 23.0 °C Factor NEW