From: Yu, Olivia, EMNRD
To: LovelyTaylor, Kayla; Naranjo, Mark
Cc: Strang, Dana V.; Martin, Ed; Wells, Todd; Mann, Ryan; Pope, Gregory; Goates, R. Neal
Subject: RE: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan
Date: Friday, July 20, 2018 2:48:00 PM

Ms. Taylor/Mr. Goates:

NMOCD sincerely appreciates the detailed description to the remedial progress for 1RP-4716. So everyone is on the same page and for clear documentation, NMOCD grants backfill approval for all the aforementioned specified areas with the expectation that the laboratory results for bottom (if appropriate, for unlined and < 4 ft. bgs areas) and sidewall samples, to be included in the subsequent remediation/closure report, will provide confirmatory evidence.

Several points for clarification:

- WSW-1 & WSW-2 were labeled as taken at 4 ft. bgs on Figure 4. Does that mean that the area, represented by AH-1 and AH-2, was excavated to 4 ft. bgs? If so, please remember to update the figure in the subsequent report. Currently, this area is shaded as 2 ft. excavation.
- Please be advised that if the area represented by AH-4 and AH-5 cannot be excavated pass 0.5 ft. to address the TPH and chloride-impacted soil, 1RP-4716 will be deferred for remediation of the soil under the pipelines at a later time, even if the remainder of the release area has been resolved.

Like approval from NMSLO required.

Thanks,
Olivia

From: LovelyTaylor, Kayla <Kayla.LovelyTaylor@tetratech.com>
Sent: Friday, July 20, 2018 9:45 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Naranjo, Mark <mnaranjo@slo.state.nm.us>
Cc: Strang, Dana V. <dvstrang@slo.state.nm.us>; Martin, Ed <emartin@slo.state.nm.us>; Wells, Todd <Todd.Wells@tetratech.com>; Mann, Ryan <rmann@slo.state.nm.us>; Pope, Gregory <Greg.Pope@tetratech.com>; Goates, R. Neal <n.goates@conocophillips.com>
Subject: RE: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan
Importance: High

Morning,

I was just letting you know that we have a crew ready to begin lining, backfilling, applying the Micro Blaze product, and re-vegetation on Monday, July 23rd. This is work outlined in the approved work plan for the above referenced site. As noted below, we will leave the areas expanded due to TPH concerns open until laboratory analysis confirms the concentrations are below the regulatory levels.

Thanks,

We are moving to our new offices on July 30th and our new address will be 901 West Wall, Suite 100, Midland, Tx 79701

Kayla Taylor | Geologist
Direct Office: **432.687.8143** | Cell: **432.210.5443** | Fax : **432.682.3946**
kayla.lovelytaylor@tetratech.com

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4000 N. Big Spring St., Suite 401 | Midland, TX 79705 | www.tetratech.com

TETRA TECH

From: LovelyTaylor, Kayla
Sent: Monday, July 16, 2018 2:25 PM
To: Yu, Olivia, EMNRD <olivia.yu@state.nm.us>; Naranjo, Mark <mnaranjo@slo.state.nm.us>
Cc: Strang, Dana V. <dvstrang@slo.state.nm.us>; Martin, Ed <emartin@slo.state.nm.us>; Wells, Todd <Todd.Wells@tetratech.com>; Mann, Ryan <rmann@slo.state.nm.us>; Pope, Gregory <Greg.Pope@tetratech.com>; Goates, R. Neal <n.goates@conocophillips.com>
Subject: Re: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan

Hello,

Today, we should be completed with the excavation portion to remove feasible areas exceeding RRALs at the above mentioned site.

The areas of expansion that have total TPH concerns (WSW-6, WSW-7, and WSW-8, SSW-1, and AH-7, 8, 16) will remain opened until laboratory data confirms the areas are below the RRALs.

Tetra Tech is requesting permission to begin lining and backfilling areas, AH-1, AH-2, and AH-3, and backfilling the areas, AH-9 through AH-15 in the southern portion.

The areas of AH-4 and 5 will have an application of Microblaze product to assist in the degradation of the TPH.

Please let me know, if you concur with the path forward. Also, you are invited to see the site and the hard work associated due to size, subsurface lithology, and flowlines.

Thank you,

Kayla Taylor

Get Outlook for iOS

From: LovelyTaylor, Kayla
Sent: Friday, July 13, 2018 3:47:35 PM
To: Yu, Olivia, EMNRD; Naranjo, Mark
Cc: Strang, Dana V.; Martin, Ed; Wells, Todd; Mann, Ryan; Pope, Gregory; Goates, R. Neal
Subject: RE: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan

Hello,

We are getting ready to complete our next phase at the above mentioned site. Below is the next phase according to the approved work plan. Most soil exceeding the RRALs were removed during the first phase.

Phase I Excavation

A draft map is attached to assist in depicting locations and correlation to the attached draft table. Excavation was completed in mid-June for this site. Currently the site has been excavated to three depths. The area containing the metal, aboveground flow lines were hand dug to a depth of 6-12". Some accessible areas were excavated using a mini-excavator to a depth of 12-18" before encountering the dense rock formation in the Buckeye area. The northern and central sections were excavated to approximately 2 feet in depth. Approximately 6-12" of dense rock formation were removed by a hammerhoe. The southern section was predominantly a sandy clay mixture and was excavated to a depth of approximately 2.5 feet.

Phase I Sample Results

A majority of the bottom hole samples in the northern and central sections did exceed RRALs. The area of AH-3 was below all RRALs. However, AH-1, AH-2, AH-4, AH-5, AH-6, AH-7, and AH-8 were all above the recommended limit of 600 mg/kg for chlorides. With the exception of AH-4 and AH-5 due to flowlines, the areas were trenched to depths of four feet, with samples collected at the 3 and 4 feet bgs intervals. The chloride concentrations above the recommended level was observed. Two samples showed slight exceedances of TPH concentrations. AH-8 had a TPH concentration of 1,006 mg/kg at 3 feet bgs and decreased to 204 mg/kg at 4 feet bgs. AH-7 had a concentration of 1,140.9 mg/kg at 2 feet bgs but decreased to 1.19 mg/kg at 3 feet bgs.

Sidewall samples exceeding TPH concentrations and recommended chloride levels were WSW-5, WSW-6, WSW-7, WSW-8, ESW-1, ESW-2, ESW-4, NSW-3, NSW-6, and SSW-1 and circled on the attached map for reference.

Phase II Plan

Tetra Tech will expand the sidewalls in the areas of WSW-5, WSW-6, WSW-7, WSW-8, ESW-1, ESW-2, ESW-4, NSW-3, NSW-6, and SSW-1 until horizontal delineation has occurred OR practical extent is obstructed by pipelines in the area.

The excavation bottom of AH-7 will be have an additional 6 inches excavated to remove TPH concentrations in the area through the use of a hammerhoe. The area of AH-8 is will also be excavated an additional 6 inches with a backhoe. The area of AH-16 will have an additional 6 inches removed resulting in a total depth of 3 feet bgs in this section.

A liner will be installed in the areas of AH-1, AH-2, AH-6, and AH-7 to prevent further vertical chloride movement. High visibility markers will be used to signify the area.

The area of AH-4 and 5 will be treated with a Micro-blaze product due to the dense rock formation and accessibility issues. This area will be monitored periodically following the application to monitor the progress of the hydrocarbon degradation.

Additionally, Tetra Tech will re-visit the initial soil assessment sample points, SB-5 and SB-7, with a drill rig to confirm previous TPH concentrations that were above the RRALs encountered at 4.0-5.0' and 14-15' below surface respectively. SB-5 is in close proximity to AH-7 which showed TPH concentrations above RRALs at 3 feet below surface but below RRALs at 4 feet below surface. SB-7 is close to sample point, AH-14. However, AH-14 showed not RRALs exceedances at 2 feet below surface.

Please let me know if you have any questions. We are beginning the second phase on Monday, July 16, 2018. We will begin by delineating the known areas of exceedance according to the plan outlined above. Tetra Tech will collect confirmation samples for the final report.

Kayla Taylor | Geologist
Direct Office: **432.687.8143** | Cell: **432.210.5443** | Fax : **432.682.3946**
kayla.lovelytaylor@tetratech.com

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TETRA TECH

From: Yu, Olivia, EMNRD [mailto:Olivia.Yu@state.nm.us]
Sent: Thursday, April 12, 2018 11:59 AM
To: Naranjo, Mark <MNaranjo@slo.state.nm.us>; Pope, Gregory <Greg.Pope@tetratech.com>
Cc: Strang, Dana V. <dvstrang@slo.state.nm.us>; Martin, Ed <emartin@slo.state.nm.us>; Wells, Todd <Todd.Wells@tetratech.com>; LovelyTaylor, Kayla <Kayla.LovelyTaylor@tetratech.com>; Tavarez, Ike <Ike.Tavarez@tetratech.com>; Mann, Ryan <rmann@slo.state.nm.us>
Subject: RE: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan

Mr. Pope:

Apologies. Microsoft Windows update is the culprit. The remainder of the email regarding 1RP-4716:

- NMOCD approves of the vertical delineation completed for 1RP-4716.
- Completion of release characterization, horizontally, can be conducted during remediation from sidewall confirmation samples at no greater than 50 ft. intervals.
- GPS coordinates for bottom confirmation samples are required, since bottom confirmation samples are anticipated to not be within permissible chloride levels (or TPH extended) at the deepest depth of excavation feasible.
- On a scaled map, the differing depths of excavation must be clearly annotated and outlined in relation to the confirmation sample locations and release point. Lined areas must be clearly defined as well.
- Dated photo documentation of remedial activities.
- NMOCD requests that areas proposed for emplacement of a liner at less than 4 ft. bgs be marked with a highly-visible pipeline marker, with the Responsible Party information, to prevent future potential issues.

Please confirm or inform for clarification.

Thanks,
Olivia

From: Yu, Olivia, EMNRD
Sent: Thursday, April 12, 2018 10:11 AM
To: 'Naranjo, Mark' <MNaranjo@slo.state.nm.us>; 'Pope, Gregory' <Greg.Pope@tetratech.com>
Cc: Strang, Dana V. <dvstrang@slo.state.nm.us>; Martin, Ed <emartin@slo.state.nm.us>; 'Wells, Todd' <Todd.Wells@tetratech.com>; 'LovelyTaylor, Kayla' <Kayla.LovelyTaylor@tetratech.com>; 'Tavarez, Ike' <Ike.Tavarez@tetratech.com>; 'Mann, Ryan' <rmann@slo.state.nm.us>
Subject: RE: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan

Pardon. Computer glitch. Email is not complete.

Olivia

From: Yu, Olivia, EMNRD
Sent: Thursday, April 12, 2018 10:10 AM
To: 'Naranjo, Mark' <MNaranjo@slo.state.nm.us>; 'Pope, Gregory' <Greg.Pope@tetratech.com>
Cc: Strang, Dana V. <dvstrang@slo.state.nm.us>; Martin, Ed <emartin@slo.state.nm.us>; Wells, Todd <Todd.Wells@tetratech.com>; LovelyTaylor, Kayla <Kayla.LovelyTaylor@tetratech.com>; Tavarez, Ike <Ike.Tavarez@tetratech.com>; Mann, Ryan <rmann@slo.state.nm.us>
Subject: RE: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan

Mr. Pope:

Please note that a playa lake is classified as a waterbody of NM. Although impacted by oil and gas activities, there is a playa within 1000 ft. of the release area, as apparent on Figure 2 of the report. However, given the situation of the release area, for this specific circumstance, the RRALs will remain the same. Please be advised that this is an exception.

Thanks,
Olivia

From: Naranjo, Mark <MNaranjo@slo.state.nm.us>
Sent: Tuesday, March 20, 2018 4:08 PM
To: 'Pope, Gregory' <Greg.Pope@tetratech.com>; Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Strang, Dana V. <dvstrang@slo.state.nm.us>; Martin, Ed <emartin@slo.state.nm.us>; Wells, Todd <Todd.Wells@tetratech.com>; LovelyTaylor, Kayla <Kayla.LovelyTaylor@tetratech.com>; Tavarez, Ike <Ike.Tavarez@tetratech.com>; Honea, Tammy <thonea@slo.state.nm.us>
Subject: RE: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan

This work plan is approved pending any other NMOCD requirements.

Mark Naranjo
Assistant Division Director
Field Operations Division
575.623.4979 Office
575.626.2678 Cell
575.623.9200 Fax
New Mexico State Land Office
1001 S. Atkinson
Roswell, NM 88203
MNaranjo@slo.state.nm.us
NMStatelands.org

From: Pope, Gregory [mailto:Greg.Pope@tetratech.com]
Sent: Tuesday, March 20, 2018 2:19 PM
To: EMNRD Yu Olivia (Olivia.Yu@state.nm.us) <Olivia.Yu@state.nm.us>
Cc: Strang, Dana V. <dvstrang@slo.state.nm.us>; Naranjo, Mark <MNaranjo@slo.state.nm.us>; Martin, Ed <emartin@slo.state.nm.us>; Wells, Todd <Todd.Wells@tetratech.com>; LovelyTaylor,

Kayla <Kayla.LovelyTaylor@tetratech.com>; Tavarez, Ike <Ike.Tavarez@tetratech.com>
Subject: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan

Ms. Yu,

Please find the attached Work Plan for the ConocoPhillips 1RP 4716 - EVGSAU Satellite 3 Trunk Line site. This document includes proposed activities based on a discussion about the site between you and Ike Tavarez of Tetra Tech, and is being submitted for your review and approval, if in agreement, so Tetra Tech may proceed with the described remedial action. Please call or reply to this email with any questions or comments. Thank you.

Greg W. Pope, P.G. | **Senior Project Manager / Geologist**
Direct Office: 432.687.8134 | Cell: 432.661.3852 | Fax : 432.682.3946
greg.pope@tetratech.com

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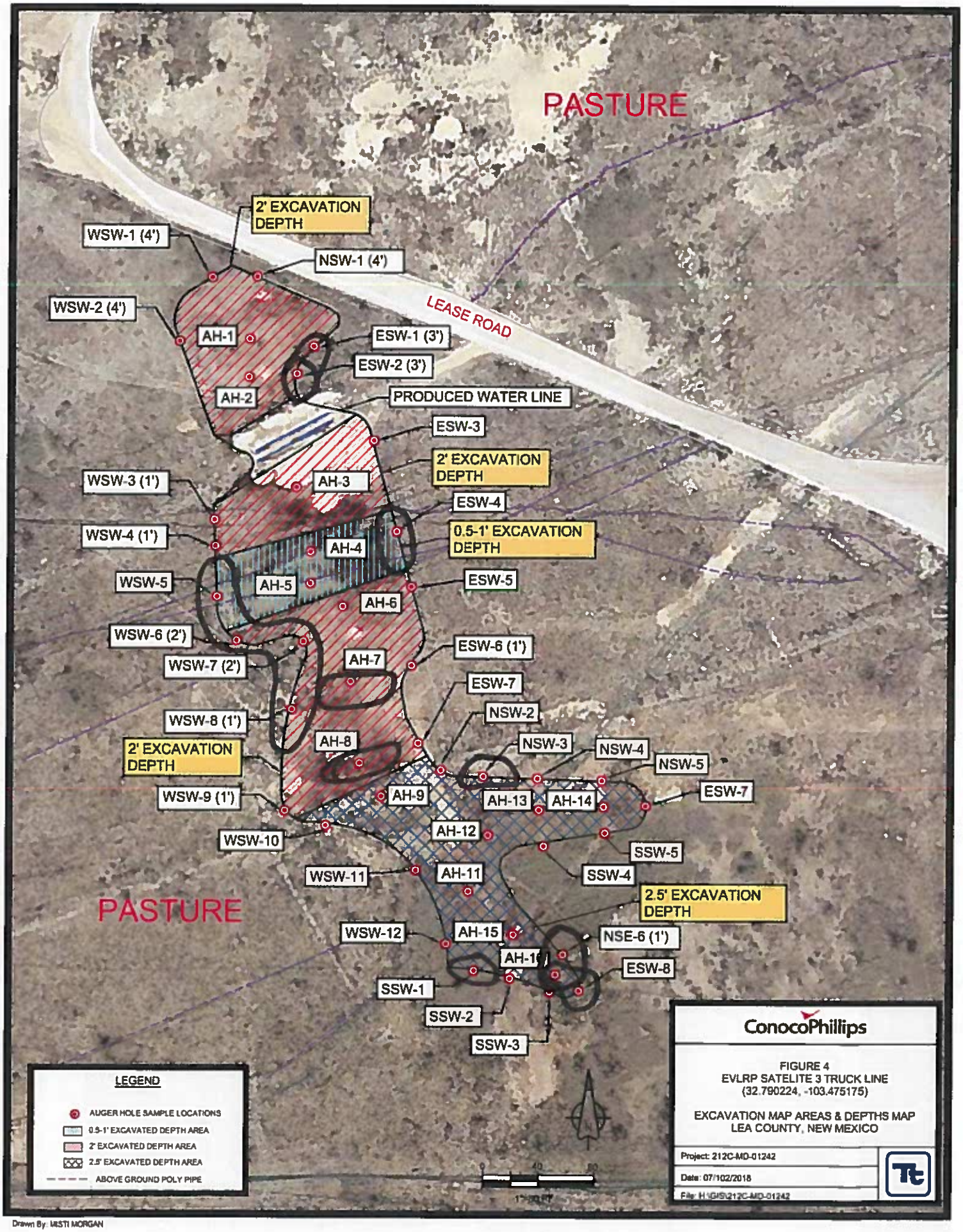
PASTURE
LEASE ROAD
2' EXCAVATION DEPTH
WSW-1 (4')
NSW-1 (4')
WSW-2 (4')
AH-1
ESW-1 (3')
ESW-2 (3')
AH-2
PRODUCED WATER LINE
ESW-3
2' EXCAVATION DEPTH
WSW-3 (1')
AH-3
ESW-4
WSW-4 (1')
AH-4
0.5-1' EXCAVATION DEPTH
WSW-5
AH-5
ESW-5
AH-6
WSW-6 (2')
ESW-6 (1')
WSW-7 (2')
AH-7
ESW-7
NSW-2
WSW-8 (1')
AH-8
NSW-3
NSW-4
NSW-5
2' EXCAVATION DEPTH
WSW-9 (1')
AH-9
AH-13
AH-14
ESW-7
AH-12
WSW-10
SSW-5
WSW-11
AH-11
SSW-4
2.5' EXCAVATION DEPTH
PASTURE
WSW-12
AH-15
NSE-6 (1')
AH-16
ESW-8
SSW-1
SSW-2
SSW-3
LEGEND
AUGER HOLE SAMPLE LOCATIONS
0.5-1' EXCAVATED DEPTH AREA
2' EXCAVATED DEPTH AREA
2.5' EXCAVATED DEPTH AREA
ABOVE GROUND POLY PIPE
ConocoPhillips
FIGURE 4
EVLRP SATELITE 3 TRUCK LINE
(32.790224, -103.475175)
EXCAVATION MAP AREAS & DEPTHS MAP
LEA COUNTY, NEW MEXICO
Project: 212C-MD-01242
Date: 07/102/2018
File: H:\GIS\212C-MD-01242
Drawn By: MISTI MORGAN

Table 1
ConocoPhillips
Excavation
EVLRP SAT 3

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		PID (PPM)	TPH							BTEX									Chlorides	
			In Situ	Removed		TPH GRO (mg/kg)	Qualifier	TPH DRO (mg/kg)	Qualifier	TPH ORO (mg/kg)	Qualifier	Total TPH (mg/kg)	Benzene (mg/kg)	Qualifier	Toluene (mg/kg)	Qualifier	Ethylbenzene (mg/kg)	Qualifier	Xylenes (mg/kg)	Qualifier	Total BTEX (mg/kg)	Chloride (PPM)	Chloride (mg/kg)
AH-1	5/15/2018	2		X	-	0.0316	J	286		188		474.03	<0.00103		<0.00517		0.00296		<0.00672		0.00		10,100
AH-2 (34"- 36")	6/6/2018	3		X	-	<0.124		<4.96		1.83	J	1.83	<0.00124		<0.00621		<0.00310		<0.00807		0.00		2,710
AH-2 (46"- 48")	6/6/2018	4		X	-	<0.113		<4.51		<4.51		0.00	<0.00113		<0.00564		<0.00282		<0.00733		0.00		2,100
AH-3 (24"- 26")	5/21/2018	2		X	-	0.0252	J	32.3		19.8		52.13	<0.00106		<0.00530		<0.00265		<0.00689		0.00		178
AH-4 (6"- 8")	5/29/2018	0.5		X	-	0.0407	J	6180		3930		10,110.04	<0.00115		0.00213	J	<0.00287		<0.00745		0.00		1,710
AH-5 (6"- 8")	5/29/2018	0.5		X	-	0.0368	J	1180		655		1,835.04	<0.00119		<0.00597		<0.00298		<0.00776		0.00		5,020
AH-6 (24"- 26")	5/31/2018	2		X	-	<0.105		30.7		17.7		48.40	<0.00105		<0.00523		<0.00262		<0.00680		0.00		1,170
AH-6 (34"- 36")	6/6/2018	3		X	-	<0.103		9.49		7.66		17.15	<0.00103		0.00232	J	<0.00259		<0.00673		0.00		227
AH-6 (46"- 48")	6/6/2018	4		X	-	<0.105		<4.21		0.918	J	0.92	<0.00105		0.00742		<0.00263		<0.00684		0.01		185
AH-7 (24"- 26")	5/31/2018	2		X	-	0.899		850		290		1,140.90	<0.00106		<0.00530		0.00816		0.0293		0.04		2,620
AH-7 (34"- 36")	6/6/2018	3		X	-	<0.115		<4.62		1.19	J	1.19	<0.00115		0.00205	J	<0.00289		<0.00751		0.00		4,790
AH-7 (46"- 48")	6/6/2018	4		X	-	<0.113		4.55		3.91	J	8.46	<0.00113		0.00565	J	<0.00283		<0.00735		0.01		4,660
AH-8 (24-26")	5/17/2018	2		X	-	<0.0241		<1.77		2.79	J	2.79	<0.000441		<0.00138		0.000893	J	<0.00527				3,410
AH-8 (34"- 36")	6/7/2018	3		X	-	162		681		163		1,006.00	<0.00499		0.0108	J	0.1120		2.91	J5	3.03		365
AH-8 (46"- 48")	6/7/2018	4		X	-	<0.113		140		64.1		204.10	<0.00113		<0.00563		<0.00281		<0.00732		0.00		543
AH-9 (24"- 26")	5/29/2018	2		X	-	<0.122		94.1		124		218.10	<0.00122		<0.00609		<0.00304	J4	<0.00792		0.00		136
AH-10	5/18/2018	2-3		X	-	0.0844	J	82.6	J3 J6	105		187.68	<0.00116		<0.00580		<0.00290		<0.00754		0.00		585
AH-11 (24"- 26")	5/29/2018	2		X	-	0.0251	J	248		388		636.03	<0.00106		<0.00530		<0.00265	J4	<0.00689		0.00		51
AH-12 (24'- 26')	5/31/2018	2		X	-	0.0287	B J	81.2		217		298.23	<0.00107		<0.00535		<0.00268		<0.00696		0.00		369
AH-13 (4'- 5')	6/1/2018	5		X	-	3.86		350		97.9		451.76	<0.00124		<0.00622		<0.00311		<0.00809		0.00		382
AH-14 (24"- 26")	6/7/2018	2		X	-	<0.133		43.3		21.9		65.20	<0.00133		<0.00665		<0.00333		<0.00865		0.00		88
AH-15 (24"- 26")	5/29/2018	2		X	-	0.142		614		324		938.14	<0.00529		<0.00661		0.00834	J4	0.000807	J5	0.01		913
AH-15 (30"- 32")	6/6/2018	2.5	X		-	<0.114		1.93	J	4.33	J	6.26	<0.00114		<0.00569		<0.00284		<0.00739		0.00		56
AH-16 (24"- 26")	5/29/2018	2		X	-	0.0384	J	1520		831		2,351.04	<0.00137		<0.00684		<0.00342	J4	<0.00889		0.00		1,320
AH-16 (30"- 32")	6/6/2018	2.5	X		-	<0.120		51.1		42.5		93.60	<0.00120		<0.00602		<0.00301		<0.00783		0.00		1,380
AH-16 (34"- 36")	6/6/2018	3	X		-	<0.112		16.0		27.9		43.90	<0.00112		<0.00562		<0.00281		<0.00730		0.00		582
AH-16 (46"- 48")	6/6/2018	4	X		-	<0.107		<4.26		1.96	J	1.96	<0.00107		<0.00533		<0.00266		<0.0692		0.00		299
NSW-1 (4')	5/24/2018		X		-	0.0288	J	54.6		64.6		119.23	<0.00110		<0.00551		<0.00275		<0.00716		0.00		294
NSW-2	6/1/2018		X		-	0.118	B	38.6		40.1		78.82	0.000466	J	<0.00502		0.000836	J	<0.00653		0.00130		59.5
NSW-3	6/1/2018		X		-	0.0689	B J	88.6		93.8		182.47	0.000612	J	<0.00510		0.000939	J	<0.00663		0.00155		727
NSW-4	6/1/2018		X		-	0.0881	B J	23.4		15.7		39.19	<0.00114		<0.00568		<0.00284		<0.00543		0.00		209
NSW-5	6/1/2018		X		-	0.0548	B J	10.5		14		24.55	<0.00106		<0.00531		<0.00266		<0.00691		0.00		66.5
NSW-6 (1')	6/6/2018		X		-	<0.113		254		167		421.00	<0.00113		<0.00563		<0.00282		<0.00733		0.00		505

Table 1
ConocoPhillips
Excavation
EVLRP SAT 3

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		PID (PPM)	TPH							BTEX									Chlorides	
			In Situ	Removed		TPH GRO (mg/kg)	Qualifier	TPH DRO (mg/kg)	Qualifier	TPH ORO (mg/kg)	Qualifier	Total TPH (mg/kg)	Benzene (mg/kg)	Qualifier	Toluene (mg/kg)	Qualifier	Ethylbenzene (mg/kg)	Qualifier	Xylenes (mg/kg)	Qualifier	Total BTEX (mg/kg)	Chloride (PPM)	Chloride (mg/kg)
SSW-1	06/05/18		X		_	<0.111		785		619		1,404.00	<0.00111		<0.00556		0.00112	J	<0.00723		0.00112		636
SSW-2	06/05/18		X		_	<0.124		23.4		40		63.40	<0.00124		<0.00621		<0.00311		<0.00808		0.00000		69.8
SSW-3	06/05/18		X		-	<0.0273		5.19		9.37		14.56	<0.00126		<0.00630		<0.00315		<0.00819		0.00000		338
SSW-4	05/31/18		X		-	0.0504	B J	2.64	J	5.81		8.50	<0.00110		<0.00549		<0.00275		<0.00714		0.00000		44.4
SSW-5	06/05/18		X		-	<0.125		85.8		11.6		97.40	<0.00125		<0.00625		<0.00313		<0.00813		0.00000		383
WSW-1 (4')	05/24/18		X		_	0.0317	J	22.5		44.9		67.43	<0.00109		<0.00546		<0.00273		<0.00710		0.00		68.5
WSW-2 (4')	05/24/18		X		_	0.0264	J	34.8		45.6		80.43	<0.00114		<0.00568		<0.00284		<0.00738		0.00		515
WSW-3 (1')	05/23/18		X		_	0.0466	J	140		102		242.05	<0.00102		<0.00510		<0.00255		<0.00663		0.00		376
WSW-4 (1')	05/23/18		X		_	0.0644	J	584		316		900.06	<0.00102		0.00199	J	<0.00255		<0.00663		0.00199		359
WSW-5	05/29/18		X		_	0.0566	J	35.6		51		86.66	<0.00116	J3	<0.00579	J3	<0.00290	J3 J4	<0.00753	J3	0.00		8,050
WSW-6 (2')	05/24/18		X		_	0.0563	J	1800		1430		3,230.06	<0.00109		<0.00544		0.000668	J	<0.00708		0.00067		568
WSW-7 (2')	05/24/18		X		_	0.0676	J	2660		1700		4,360.07	<0.00208		<0.0104		<0.00521		<0.0135		0.00		212
WSW-8 (1')	05/22/18		X		_	0.0385	J	488		695		1,183.04	<0.00103		<0.00513		<0.00257		<0.00667		0.00		56.8
WSW-9 (1')	05/22/18		X		_	0.0525	J	254		510		764.05	<0.00103		<0.00514		<0.00257		<0.00668		0.00		429
WSW-10	05/31/18		X		_	0.110	B	325		328		653.11	<0.00102		<0.00512		<0.00256		<0.0066		0.00		202
WSW-11	05/31/18		X		_	0.628		278		259		537.63	<0.00101	J3	<0.00507	J3	<0.00254		<0.00659	J3	0.00		75.9
WSW-12	05/31/18		X		_	0.0552	B J	29.1		44.7		73.86	<0.00105		0.00242	J	0.000658	J	<0.00683		0.00308		84.8
ESW-1 (3')	05/24/18		X		_	0.0359	J	22.5		32.7		55.24	<0.00111		<0.00556		<0.00278		<0.00723		0.00		668
ESW-2 (1')	05/17/18		X		_	0.00631	J	3330		1560		4,890.01	<0.00103		<0.00514		0.00108	J	<0.00668		0.00		10,000
ESW-3 (1')	05/23/18		X		_	0.0652	J	13.8		18.6		32.47	<0.00102		<0.00508		<0.00254		<0.00661		0.00		87.7
ESW-4	05/29/18		X		_	0.126		8010		3840		11,850.13	<0.00105		0.00146	J	<0.00262	J4	<0.00681		0.00146		3,190
ESW-5	05/22/18		X		_	0.056	J	36.9		38.4		75.36	<0.00101		<0.00507		<0.00253		<0.00658		0.00		66
ESW-6 (1')	05/24/18		X		_	0.0631	J	218		193		411.06	0.000458	J	<0.00564		<0.00282		<0.00733		0.00046		105
ESW-7	05/22/18		X		_	0.0946	J	12.8		18.6		31.49	<0.00102		<0.00512		<0.00256		<0.00666		0.00		44
ESW-7	06/07/18		X		_	<0.106		17.3		20		37.30	<0.00106		<0.00530		<0.00265		<0.00689		0.00		148
ESW-8	06/05/18		X		_	<0.126		285		488		773.00	<0.00126		<0.00630		<0.00315		<0.00820		0.00		221

NOTES:

ft	Feet	DRO	Diesel Range Organics
PPM	Parts per million	ORO	Oil Range Organics
mg/kg	Milligrams per kilogram	J	The identification of the analyte is acceptable; the reported value is an estimate.
TPH	Total Petroleum Hydrocarbons	B	The same analyte is found in the associated blank.
GRO	Gasoline Range Organics	J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low