

**From:** Goates, R. Neal  
**To:** [LovelyTaylor, Kayla](#)  
**Cc:** [Yu, Olivia, EMNRD](#); [Naranjo, Mark](#); [Strang, Dana V.](#); [Martin, Ed](#); [Wells, Todd](#); [Mann, Ryan](#); [Pope, Gregory](#)  
**Subject:** Re: [EXTERNAL]RE: 1RP-4716 - EVGSAU Satellite 3 Trunk Line Work Plan  
**Date:** Friday, July 20, 2018 7:33:08 PM

---

Kayla,  
I talked to Olivia this afternoon and She concurs with the following.

Please continue to send information to applicable agencies for status updates:however, if the work plan is already approved there's no need for incremental approvals to move forward. The communication will be curtesy for information or opportunities for regulators to visit excavations etc but start work according to contractor availability as you mentioned below for EVSAU Satellite 3

Thanks

Sent from my iPhone

On Jul 20, 2018, at 10:45 AM, LovelyTaylor, Kayla <[Kayla.LovelyTaylor@tetrattech.com](mailto:Kayla.LovelyTaylor@tetrattech.com)> wrote:

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 23<sup>rd</sup>. 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 30<sup>th</sup> 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@tetrattech.com](mailto:kayla.lovelytaylor@tetrattech.com)

**Tetra Tech OGA** | Complex World, Clear Solutions™  
4000 N. Big Spring St., Suite 401 | Midland, TX 79705 | [www.tetrattech.com](http://www.tetrattech.com)

*This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.*

<image001.jpg>

---

**From:** LovelyTaylor, Kayla

**Sent:** Monday, July 16, 2018 2:25 PM

**To:** Yu, Olivia, EMNRD <[olivia.yu@state.nm.us](mailto:olivia.yu@state.nm.us)>; Naranjo, Mark <[mnaranjo@slo.state.nm.us](mailto:mnaranjo@slo.state.nm.us)>

**Cc:** Strang, Dana V. <[dvstrang@slo.state.nm.us](mailto:dvstrang@slo.state.nm.us)>; Martin, Ed <[emartin@slo.state.nm.us](mailto:emartin@slo.state.nm.us)>; Wells, Todd <[Todd.Wells@tetrattech.com](mailto:Todd.Wells@tetrattech.com)>; Mann, Ryan <[rmann@slo.state.nm.us](mailto:rmann@slo.state.nm.us)>; Pope, Gregory <[Greg.Pope@tetrattech.com](mailto:Greg.Pope@tetrattech.com)>; Goates, R. Neal <[n.goates@conocophillips.com](mailto: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@tetrattech.com](mailto:kayla.lovelytaylor@tetrattech.com)

**Tetra Tech OGA** | Complex World, Clear Solutions™

4000 N. Big Spring St., Suite 401 | Midland, TX 79705 | [www.tetrattech.com](http://www.tetrattech.com)

*This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.*

<image002.jpg>

---

**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](mailto:MNaranjo@slo.state.nm.us)>; Pope, Gregory

<[Greg.Pope@tetrattech.com](mailto:Greg.Pope@tetrattech.com)>

**Cc:** Strang, Dana V. <[dvstrang@slo.state.nm.us](mailto:dvstrang@slo.state.nm.us)>; Martin, Ed

<[emartin@slo.state.nm.us](mailto:emartin@slo.state.nm.us)>; Wells, Todd <[Todd.Wells@tetrattech.com](mailto:Todd.Wells@tetrattech.com)>; LovelyTaylor,

Kayla <[Kayla.LovelyTaylor@tetrattech.com](mailto:Kayla.LovelyTaylor@tetrattech.com)>; Tavarez, Ike <[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)>;

Mann, Ryan <[rmann@slo.state.nm.us](mailto: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](mailto:MNaranjo@slo.state.nm.us)>; 'Pope, Gregory' <[Greg.Pope@tetrattech.com](mailto:Greg.Pope@tetrattech.com)>  
**Cc:** Strang, Dana V. <[dvstrang@slo.state.nm.us](mailto:dvstrang@slo.state.nm.us)>; Martin, Ed <[emartin@slo.state.nm.us](mailto:emartin@slo.state.nm.us)>; 'Wells, Todd' <[Todd.Wells@tetrattech.com](mailto:Todd.Wells@tetrattech.com)>; 'LovelyTaylor, Kayla' <[Kayla.LovelyTaylor@tetrattech.com](mailto:Kayla.LovelyTaylor@tetrattech.com)>; 'Tavarez, Ike' <[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)>; 'Mann, Ryan' <[rmann@slo.state.nm.us](mailto: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](mailto:MNaranjo@slo.state.nm.us)>; 'Pope, Gregory' <[Greg.Pope@tetrattech.com](mailto:Greg.Pope@tetrattech.com)>  
**Cc:** Strang, Dana V. <[dvstrang@slo.state.nm.us](mailto:dvstrang@slo.state.nm.us)>; Martin, Ed <[emartin@slo.state.nm.us](mailto:emartin@slo.state.nm.us)>; Wells, Todd <[Todd.Wells@tetrattech.com](mailto:Todd.Wells@tetrattech.com)>; LovelyTaylor, Kayla <[Kayla.LovelyTaylor@tetrattech.com](mailto:Kayla.LovelyTaylor@tetrattech.com)>; Tavarez, Ike <[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)>; Mann, Ryan <[rmann@slo.state.nm.us](mailto: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](mailto:MNaranjo@slo.state.nm.us)>  
**Sent:** Tuesday, March 20, 2018 4:08 PM  
**To:** 'Pope, Gregory' <[Greg.Pope@tetrattech.com](mailto:Greg.Pope@tetrattech.com)>; Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>  
**Cc:** Strang, Dana V. <[dystrang@slo.state.nm.us](mailto:dystrang@slo.state.nm.us)>; Martin, Ed <[emartin@slo.state.nm.us](mailto:emartin@slo.state.nm.us)>; Wells, Todd <[Todd.Wells@tetrattech.com](mailto:Todd.Wells@tetrattech.com)>; LovelyTaylor, Kayla <[Kayla.LovelyTaylor@tetrattech.com](mailto:Kayla.LovelyTaylor@tetrattech.com)>; Tavarez, Ike <[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)>; Honea, Tammy <[thonea@slo.state.nm.us](mailto: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](mailto:MNaranjo@slo.state.nm.us)  
[NMStatelands.org](http://NMStatelands.org)

.....  
CONFIDENTIALITY NOTICE: This e-mail, including all attachments is for the sole use of the intended recipient[s] and may contain confidential and/or privileged information. Any unauthorized review, use, copying, disclosure or distribution is prohibited, unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender at once and destroy all copies of this message

---

**From:** Pope, Gregory [<mailto:Greg.Pope@tetrattech.com>]  
**Sent:** Tuesday, March 20, 2018 2:19 PM

**To:** EMNRD Yu Olivia ([Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)) <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>  
**Cc:** Strang, Dana V. <[dvstrang@slo.state.nm.us](mailto:dvstrang@slo.state.nm.us)>; Naranjo, Mark  
<[MNaranjo@slo.state.nm.us](mailto:MNaranjo@slo.state.nm.us)>; Martin, Ed <[emartin@slo.state.nm.us](mailto:emartin@slo.state.nm.us)>; Wells, Todd  
<[Todd.Wells@tetrattech.com](mailto:Todd.Wells@tetrattech.com)>; LovelyTaylor, Kayla  
<[Kayla.LovelyTaylor@tetrattech.com](mailto:Kayla.LovelyTaylor@tetrattech.com)>; Tavaréz, Ike <[Ike.Tavaréz@tetrattech.com](mailto:Ike.Tavaréz@tetrattech.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 Tavaréz 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@tetrattech.com](mailto:greg.pope@tetrattech.com)

Tetra Tech OGA | Complex World, Clear Solutions™  
4000 N. Big Spring St., Suite 401 | Midland, TX 79705 | [www.tetrattech.com](http://www.tetrattech.com)

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

---

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

---