

**From:** Rebecca Haskell  
**To:** [Weaver, Crystal, EMNRD](#); [Gonzales, Clair](#); [Bratcher, Mike, EMNRD](#); [Naranjo, Mark](#)  
**Cc:** [Dakota Neel](#); [Sheldon Hitchcock](#); [Aaron Lieb](#); [Robert McNeill](#); [Tavarez, Ike](#)  
**Subject:** RE: URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)  
**Date:** Friday, March 2, 2018 2:34:47 PM  
**Attachments:** [Rpt\\_WO\\_571931\\_ver\\_1\\_002.pdf](#)

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Ms. Weaver,

I apologize for not remembering to attach the lab report. I began the response on Tuesday and completely forgot about the attachment being necessary by today.

Thank You,

Becky Haskell  
Senior HSE Coordinator  
COG Operating LLC  
600 W Illinois Avenue | Midland, TX 79701  
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[rhaskell@concho.com](mailto:rhaskell@concho.com)



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**From:** Weaver, Crystal, EMNRD [<mailto:Crystal.Weaver@state.nm.us>]  
**Sent:** Friday, March 02, 2018 3:24 PM  
**To:** Rebecca Haskell; Gonzales, Clair; Bratcher, Mike, EMNRD; Naranjo, Mark  
**Cc:** Dakota Neel; Sheldon Hitchcock; Aaron Lieb; Robert McNeill; Tavarez, Ike  
**Subject:** [External] RE: URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)

Hello Rebecca,

Thank you for your response. I am unsure if you meant to send an attachment of what you referred to as the "corrected lab report," but if so I did not get that attachment. Regardless, if you send it or not, if the samples ran past hold times and were not recollected again out in the field then data will not be able to be documented as "valid data." However I can still take the submission of the data and document it into the record if you would like. I am assuming that the data that was extrapolated into the Table within the work plan written by Tetra Tech that pertains to depths for BH-1 and BH-2 that didn't have lab records originally attached is going to be reinforced by the time lapsed lab report data you are offering to submit correct?

Either way up to you on whether or not you would like to send that "corrected lab report."

I am going to send you another email shortly after this one with my full response to your email below.

Thank you,

## Crystal Weaver

Environmental Specialist  
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Artesia, NM 88210  
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**From:** Rebecca Haskell [<mailto:RHaskell@concho.com>]

**Sent:** Friday, March 2, 2018 10:20 AM

**To:** Weaver, Crystal, EMNRD <[Crystal.Weaver@state.nm.us](mailto:Crystal.Weaver@state.nm.us)>; Gonzales, Clair <[Clair.Gonzales@tetrattech.com](mailto:Clair.Gonzales@tetrattech.com)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Naranjo, Mark <[MNaranjo@slo.state.nm.us](mailto:MNaranjo@slo.state.nm.us)>

**Cc:** Dakota Neel <[DNeel2@concho.com](mailto:DNeel2@concho.com)>; Sheldon Hitchcock <[SLHitchcock@concho.com](mailto:SLHitchcock@concho.com)>; Aaron Lieb <[ALieb@concho.com](mailto:ALieb@concho.com)>; Robert McNeill <[RMcNeill@concho.com](mailto:RMcNeill@concho.com)>; Tavarez, Ike <[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)>

**Subject:** RE: URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)

RE: COG \* G J West Coop Unit #210 \* 30-015-36703 \* 2RP-4487

Ms. Weaver,

I apologize for the delay in my response but it took me a while to go through each bullet point and I was out of the office yesterday. Below in black are your questions and blue is my response.

OCD has reviewed this work plan and has a few questions:

- For BH-1 where did the data come from for the sample analysis at 4-5ft, 6-7ft., and 9-10ft.? Cause in Xenco's lab data they list depths for boreholes that were not analyzed by their lab and all three of those depths are stated as "Not analyzed" and when I went thru the Xenco report I couldn't find any data for those depths followed up on later dates or anything else.

I apologize for the inconvenience but Tetra Tech included an incorrect laboratory report. That being said there was a mistake at the laboratory as well. Tetra Tech put on the Chain-

of-Custody (COC) to “Run deeper samples if benzene exceeds 10 mg/kg, Total BTEX exceeds 50 mg/kg or TPH exceeds 1,000 mg/kg”. However the lab failed to do so and stopped when TPH levels were below 5,000 mg/kg but higher than 1,000 mg/kg. By the time this mistake was caught the samples were out of hold time. The lab was still instructed to run the deeper samples for TPH even though out of hold time. This is why in the work plan we agreed to collect confirmation bottom samples to ensure the removal of hydrocarbon impacted soils. I am including the correct laboratory report for your review.

We did discuss this site with Mike during our last meeting and let him know that the samples were ran out of hold time and let him know we were going to collect samples at four (4) feet to rectify this mistake by the laboratory.

- Same for BH-2 at 4-5ft., 6-7ft., and 9-10ft. So where did the additional data that is in Table 1 come from for those depths of BH-1 and BH-2, that I just mentioned, that Xenco states were “Not analyzed”?

Please see above for explanation.

- OCD would like to see lab data that verifies depths at which delineation numbers are RRAL and COA compliant. So during confirmation sampling, since that is what is proposed to be done during the excavation process, OCD requests side wall and bottom holes will need to go an additional 2 inches in from where the excavation is dug to in order to get confirmation samples that are not at the surface of the exposed excavation.

It is typical that confirmation samples are not collected directly from the surface of an excavation and that you must dig into the excavation floor or sidewall in order to collect a confirmation sample.

- What is the “Analytical non conformances and comments” section regarding on page 4 of Xenco’s report? Does it mean they ran the samples under protocol for EPA 8021B but had to prep the samples under protocol method 5030? Could that be explained please?

Yes in Texas when working with the Texas Commission on Environmental Quality (TCEQ) in a TRRP or PST program you are required to collect samples with a Terracore kit rather than a glass jar. The collection of the sample requires a different method than that of samples collected in New Mexico and with other Texas agencies. Both sampling protocols are ran under Method EPA 8021B however the sampling preparation is different. Standard preparation for samples collected in New Mexico is method 5030 and the method for Terracore collection is 5035. Xenco puts this Sample receipt non conformances and comments per sample on every report where the Terracore collection method is not used so the if the project is under a TCEQ PST or TRRP program it is know that method was not used.

- Even though this was reported as an oil spill, verification of chloride concentrations via Method 300 lab data should be conducted. Especially since it is state that this location is being investigated due to a liner breach. For all side wall and bottom hole confirmation samples

OCD would like to request that chlorides via Method 300 be tested for.

I would first like to state that the spill was only an oil spill so chloride is not a constituent of concern in this particular instance. Also, a question, why is method SM4500 a method that cannot be used? Typically Method E300 is a method used for water and the SM4500 is a soil method.

There isn't a lab that we know about that can run the E300 method in the area of New Mexico where we operate that we can take samples to; to have them rushed using the E300 method. Any samples that have to be run under E300 have to be shipped either to Texas or the Colorado to be analyzed. This is a very limiting factor when we have an emergency situation, have equipment on location waiting for sample results, or in this particular case.

Sheldon is currently delineating the chlorides at the site.

- Also one final question, in the written portion of the report it is stated that bore holes were chosen at the locations they were conducted at due to limitations on access. OCD would like to inquire as to whether or not the bore holes are within the area where the liner breaches were discovered or if there was limitations on conducting delineation at the breach areas please explain.

The boreholes were placed as close to where the breaches were as possible due to equipment and safety concerns. When the boreholes were installed it was not known that the battery would be moved. The decision to move the battery came subsequent to drilling and data collection.

Please let me know if you have any additional questions.

Thank you,

Becky Haskell  
Senior HSE Coordinator  
COG Operating LLC  
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**From:** Weaver, Crystal, EMNRD [<mailto:Crystal.Weaver@state.nm.us>]

**Sent:** Tuesday, February 27, 2018 4:04 PM

**To:** Rebecca Haskell; Gonzales, Clair; Bratcher, Mike, EMNRD; Naranjo, Mark

**Cc:** Dakota Neel; Sheldon Hitchcock; Aaron Lieb; Robert McNeill; Tavarez, Ike

**Subject:** [External] RE: URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)

RE: COG \* G J West Coop Unit #210 \* 30-015-36703 \* 2RP-4487

Rebecca/Clair,

OCD has reviewed this work plan and has a few questions:

- For BH-1 where did the data come from for the sample analysis at 4-5ft, 6-7ft., and 9-10ft.? Cause in Xenco's lab data they list depths for boreholes that were not analyzed by their lab and all three of those depths are stated as "Not analyzed" and when I went thru the Xenco report I couldn't find any data for those depths followed up on later dates or anything else.
- Same for BH-2 at 4-5ft., 6-7ft., and 9-10ft. So where did the additional data that is in Table 1 come from for those depths of BH-1 and BH-2, that I just mentioned, that Xenco states were "Not analyzed"?
- OCD would like to see lab data that verifies depths at which delineation numbers are RRAL and COA compliant. So during confirmation sampling, since that is what is proposed to be done during the excavation process, OCD requests side wall and bottom holes will need to go an additional 2 inches in from where the excavation is dug to in order to get confirmation samples that are not at the surface of the exposed excavation.
- What is the "Analytical non conformances and comments" section regarding on page 4 of Xenco's report? Does it mean they ran the samples under protocol for EPA 8021B but had to prep the samples under protocol method 5030? Could that be explained please?
- Even though this was reported as an oil spill, verification of chloride concentrations via Method 300 lab data should be conducted. Especially since it is state that this location is being investigated due to a liner breach. For all side wall and bottom hole confirmation samples OCD would like to request that chlorides via Method 300 be tested for.
- Also one final question, in the written portion of the report it is stated that bore holes were chosen at the locations they were conducted at due to limitations on access. OCD would like to inquire as to whether or not the bore holes are within the area where the liner breaches were discovered or if there was limitations on conducting delineation at the breach areas please explain.

Upon receipt of answers to these questions OCD will review said answers and at that time provide an approval or denial of this work plan.

Thank you,

## Crystal Weaver

Environmental Specialist

OCD – Artesia District II

811 S. 1<sup>st</sup> Street

Artesia, NM 88210

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**From:** Rebecca Haskell [<mailto:RHaskell@concho.com>]

**Sent:** Thursday, February 22, 2018 4:00 PM

**To:** Weaver, Crystal, EMNRD <[Crystal.Weaver@state.nm.us](mailto:Crystal.Weaver@state.nm.us)>; Gonzales, Clair <[Clair.Gonzales@tetrattech.com](mailto:Clair.Gonzales@tetrattech.com)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Naranjo, Mark <[MNaranjo@slo.state.nm.us](mailto:MNaranjo@slo.state.nm.us)>

**Cc:** Dakota Neel <[DNeel2@concho.com](mailto:DNeel2@concho.com)>; Sheldon Hitchcock <[SHitchcock@concho.com](mailto:SHitchcock@concho.com)>; Aaron Lieb <[ALieb@concho.com](mailto:ALieb@concho.com)>; Robert McNeill <[RMcNeill@concho.com](mailto:RMcNeill@concho.com)>; Tavaréz, Ike <[Ike.Tavaréz@tetrattech.com](mailto:Ike.Tavaréz@tetrattech.com)>

**Subject:** RE: URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)

Mr. Bratcher / Ms. Weaver,

We have started remediation at this site because all of the equipment has been removed. We have excavated the area where the area of the new battery will go and have collected samples. The samples are going to the lab and will be rushed. We would like to backfill as soon as we get the results so the new battery can be constructed.

Thank You,

Becky Haskell  
Senior HSE Coordinator  
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**From:** Weaver, Crystal, EMNRD [<mailto:Crystal.Weaver@state.nm.us>]  
**Sent:** Friday, February 16, 2018 2:19 PM  
**To:** Rebecca Haskell; Gonzales, Clair; Bratcher, Mike, EMNRD; Naranjo, Mark  
**Cc:** Dakota Neel; Sheldon Hitchcock; Aaron Lieb; Robert McNeill; Tavarez, Ike  
**Subject:** [External] RE: URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)

Rebecca,

So sorry. I have been reading all day and I think my eyes mistook that paragraph in her email for one of those "if you are not the authorized recipient of this message blahh blahh..."

Again really sorry. Thanks for sending this originally and again. I see that your request is valid for us to consider it urgent and I will do my best to move it up to be looked at ASAP.

Thanks and again I apologize,

## Crystal Weaver

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**From:** Rebecca Haskell [<mailto:RHaskell@concho.com>]  
**Sent:** Friday, February 16, 2018 1:05 PM  
**To:** Weaver, Crystal, EMNRD <[Crystal.Weaver@state.nm.us](mailto:Crystal.Weaver@state.nm.us)>; Gonzales, Clair <[Clair.Gonzales@tetrattech.com](mailto:Clair.Gonzales@tetrattech.com)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Naranjo, Mark <[MNaranjo@slo.state.nm.us](mailto:MNaranjo@slo.state.nm.us)>  
**Cc:** Dakota Neel <[DNeel2@concho.com](mailto:DNeel2@concho.com)>; Sheldon Hitchcock <[SLHitchcock@concho.com](mailto:SLHitchcock@concho.com)>; Aaron Lieb <[ALieb@concho.com](mailto:ALieb@concho.com)>; Robert McNeill <[RMcNeill@concho.com](mailto:RMcNeill@concho.com)>; Tavarez, Ike <[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)>  
**Subject:** RE: URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)

Crystal,

There is a blub on why it is urgent below but here it is again:

**COG is currently in the process of removing equipment from this battery to allow for remediation. The battery will be moved to another location on the same well pad, however part of the new battery will overlap the existing battery placement. The area of overlap will be on the southwest end of the current battery placement. Remediation activities on that end need to be completed as soon as possible to allow for construction of the new battery and for production to be turned back on.**

I know you are very busy which is why the blurb was included in the original email. We did discuss this site with Mike, however, plans have changed since then. We discussed the possibilities of maybe getting a deferment for this spill. COG has decided to move the battery so that a full remediation can be completed on this particular release. However, things are already in motion and we need to be able to conduct the remediation as soon as the equipment is done being removed. We would really appreciate your assistance with this.

Thank You,

Becky Haskell  
Senior HSE Coordinator  
COG Operating LLC  
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**From:** Weaver, Crystal, EMNRD [<mailto:Crystal.Weaver@state.nm.us>]  
**Sent:** Friday, February 16, 2018 1:58 PM  
**To:** Gonzales, Clair; Bratcher, Mike, EMNRD; Naranjo, Mark  
**Cc:** Rebecca Haskell; Dakota Neel; Sheldon Hitchcock; Aaron Lieb; Robert McNeill; Tavarez, Ike  
**Subject:** [External] RE: URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)

\*\*\*\* External email. Use caution. \*\*\*\*

Clair,

When you send something as urgent can you please write a blurb on why it is considered to be urgent by COG/Tetra Tech. Cause OCD is very behind right now and we have to gage what is urgent and not by our method of assessment in order to allow for the possible placement of it ahead of others. Mike is out of the office right now and I know there was a discussion with him on a number of sites and I think this one is one of them but I was not present for that conversation.



Thank you in advance,

## Crystal Weaver

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---

**From:** Gonzales, Clair [<mailto:Clair.Gonzales@tetrattech.com>]  
**Sent:** Friday, February 16, 2018 11:35 AM  
**To:** Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Weaver, Crystal, EMNRD <[Crystal.Weaver@state.nm.us](mailto:Crystal.Weaver@state.nm.us)>; Naranjo, Mark <[MNaranjo@slo.state.nm.us](mailto:MNaranjo@slo.state.nm.us)>  
**Cc:** Rebecca Haskell <[RHaskell@concho.com](mailto:RHaskell@concho.com)>; Dakota Neel <[DNeel2@concho.com](mailto:DNeel2@concho.com)>; Sheldon Hitchcock <[SLHitchcock@concho.com](mailto:SLHitchcock@concho.com)>; Aaron Lieb <[ALieb@concho.com](mailto:ALieb@concho.com)>; Robert McNeill <[RMcNeill@concho.com](mailto:RMcNeill@concho.com)>; Tavaréz, Ike <[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)>  
**Subject:** URGENT: COG GJ West Coop Unit #210 Work Plan Approval Request (2RP-4487)  
**Importance:** High

Good Afternoon,

Attached is the work plan for the above referenced site located in Eddy County, New Mexico. Once approved, COG will implement the proposed work plan.

COG is currently in the process of removing equipment from this battery to allow for remediation. The battery will be moved to another location on the same well pad, however part of the new battery will overlap the existing battery placement. The area of overlap will be on the southwest end of the current battery placement. Remediation activities on that end need to be completed as soon as possible to allow for construction of the new battery and for production to be turned back on.

Let me know if you have any questions or concerns.

Thank you,

**Clair Gonzales**

Clair Gonzales | Project Manager

Phone: 432.687.8123 | Mobile 432.260.8634 | Fax: 432.682.3946

[clair.gonzales@tetrattech.com](mailto:clair.gonzales@tetrattech.com)

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