

**From:** [Yu, Olivia, EMNRD](#)  
**To:** [Van Curen, Jennifer \(MRO\)](#); [Shelly Tucker](#)  
**Cc:** [Billings, Bradford, EMNRD](#)  
**Subject:** RE: Emailing - Battle Federal #4 Work Plan.3.pdf  
**Date:** Monday, November 27, 2017 12:39:00 PM  
**Attachments:** image001.png  
approved\_1RP4760\_Battle Federal #4 Work Plan.3.pdf

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Ms. Van Curen:

Thank you for your prompt response. Please see the attachment for your records. Please be advised that NMOCD approval must be given for the subsequent delineation and remediation for 1RP-4760 before backfill approval is granted.

Olivia

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**From:** Van Curen, Jennifer (MRO) [mailto:jvancuren@marathonoil.com]  
**Sent:** Monday, November 27, 2017 9:49 AM  
**To:** Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Shelly Tucker <stucker@blm.gov>  
**Cc:** Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>  
**Subject:** RE: Emailing - Battle Federal #4 Work Plan.3.pdf

Thank you. I will forward to operations to complete.

Jennifer

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**From:** Yu, Olivia, EMNRD [mailto:[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)]  
**Sent:** Monday, November 27, 2017 10:02 AM  
**To:** Van Curen, Jennifer (MRO) <[jvancuren@marathonoil.com](mailto:jvancuren@marathonoil.com)>; Shelly Tucker <[stucker@blm.gov](mailto:stucker@blm.gov)>  
**Cc:** Billings, Bradford, EMNRD <[Bradford.Billings@state.nm.us](mailto:Bradford.Billings@state.nm.us)>  
**Subject:** [External] RE: Emailing - Battle Federal #4 Work Plan.3.pdf

**Beware of links/attachments.**

Good morning Ms. Van Curen:

Several comments regarding the delineation for 1RP-4760. There is a mistake on page 2. The email, dated August 29, 2017, specified depth maintaining 600 mg/kg chlorides to 5 ft. further, not 1 foot. Due to the depth to groundwater, NMOCD will reconsider the depth to which delineation is considered complete. Based on the provided data, 1 ft. additional will be considered adequate. Therefore, the proposed remedial actions are approved with these conditions:

1. Complete vertical delineation for HA-6, HA-7, and HA-8. Laboratory analyses demonstrating  $\leq 600$  mg/kg chlorides for depth obtained and maintained 1 ft. further in depth. Please resample HA-6 in the same spot.
2. For HA-5, to complete vertical delineation, a soil sample at 1 ft. bgs is required.
3. The remediation report must include 1) a scaled map with the bottom and sidewall confirmation sample locations marked with GPS coordinates; 2) the dimensions and depth of

the excavated areas; and 3) a statement of liner integrity, affirming that the portion of the release within the lined containment have been addressed appropriately. Photo documentation of the lined facility verifying the corrective action is requested.

Please confirm or inform if clarification is requested.

Thanks,  
Olivia

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**From:** Van Curen, Jennifer (MRO) [<mailto:jvancuren@marathonoil.com>]  
**Sent:** Friday, November 17, 2017 1:07 PM  
**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; Shelly Tucker <[stucker@blm.gov](mailto:stucker@blm.gov)>  
**Subject:** Emailing - Battle Federal #4 Work Plan.3.pdf  
**Importance:** High

All,

Please see the attached corrective action plan for the Battle 34 Federal 4H well pad where 23 bbls of produced water was spilled. I am having them resample point 6; it is more than likely a typo since all other sample points are not in that range. Please keep in mind that this was on the well pad only and the depth to groundwater is greater than 250'.

I have the crew scheduled for the week after Thanksgiving since many of them will not be available until next year due to the holidays. It is my goal to have this closed before the new year.

Please send approval as soon as you can to begin work.

Best regards,

Jennifer Van Curen  
Sr. Regulatory Compliance  
Permian Basin  
Marathon Oil Permian LLC

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