

**From:** [Barnes, Will](#)  
**To:** [Robert McNeill](#)  
**Cc:** [Kasuboski, Robert](#); [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#); [Groves, Amber](#); [Strang, Dana V.](#); [Pat Ellis](#); [Robert Grubbs](#)  
**Subject:** RE: Crossman State 25 State #1 Well Pad Reconstruction and Professional Engineered Berm  
**Date:** Friday, March 18, 2016 3:38:43 PM  
**Attachments:** image001.png  
image002.png  
image005.png

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Mr. McNeill:

Thank you for your fast and responsive email. With your comments below, we feel that these specifications will work well to re-secure the Crossman well pad and protect against further flood or erosion damage to state trust land. We approve of your design.

We are reviewing your sampling results attached to an earlier email this morning and will get back to you on Monday with our response. Thank you again for putting this all together for us.

Will

William S. Barnes  
*Deputy Director*  
*Field Operations Division*  
505.827.5856  
New Mexico State Land Office  
310 Old Santa Fe Trail  
P.O. Box 1148  
Santa Fe, NM 87504-1148  
[wbarnes@slo.state.nm.us](mailto:wbarnes@slo.state.nm.us)

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**From:** Robert McNeill [<mailto:RMcNeill@concho.com>]  
**Sent:** Friday, March 18, 2016 10:14 AM  
**To:** Barnes, Will <[wbarnes@slo.state.nm.us](mailto:wbarnes@slo.state.nm.us)>  
**Cc:** Kasuboski, Robert <[rkasuboski@slo.state.nm.us](mailto:rkasuboski@slo.state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Patterson, Heather, EMNRD ([Heather.Patterson@state.nm.us](mailto:Heather.Patterson@state.nm.us)) <[Heather.Patterson@state.nm.us](mailto:Heather.Patterson@state.nm.us)>; Groves, Amber <[agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us)>; Strang, Dana V. <[dvstrang@slo.state.nm.us](mailto:dvstrang@slo.state.nm.us)>; Pat Ellis <[PELLis@concho.com](mailto:PEllis@concho.com)>; Robert Grubbs <[RGrubbs@concho.com](mailto:RGrubbs@concho.com)>

**Subject:** RE: Crossman State 25 State #1 Well Pad Reconstruction and Professional Engineered Berm

Hello Mr. Barnes,

The following are the answers to your questions below:

1. During the reconstruction, the pad will be rebuilt into the existing hillslope with no gap between them. SLO and OCD representatives can be present at the time of construction for verification.
2. The upstream edge of pad will be constructed with additional curving, as practical, to deflect upcoming flow to the existing drainage channel, and to minimize any splash back. SLO and OCD representatives can be present at the time of construction for verification.
3. Any remediation required of the pad area by the OCD and SLO will be performed prior to any reconstruction of the pad and the berm.
4. No contaminated material will be used on the reconstruction of the pad and the berm.

As noted above, both SLO and OCD representative are invited to be present at the time of the spill remediation and pad reconstruction. If you have any other questions or concerns, please contact me.

Robert McNeill, P. E.  
Environmental Manager  
COG Operating LLC

One Concho Center  
600 West Illinois Avenue  
Midland, TX 79701  
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**From:** Barnes, Will [<mailto:wbarnes@slo.state.nm.us>]  
**Sent:** Thursday, March 17, 2016 4:47 PM  
**To:** Robert McNeill  
**Cc:** Kasuboski, Robert; Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD ([Heather.Patterson@state.nm.us](mailto:Heather.Patterson@state.nm.us)); Pat Ellis; Groves, Amber; Strang, Dana V.  
**Subject:** [External] RE: Crossman State 25 State #1 Well Pad Reconstruction and Professional Engineered Berm

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

Dear Mr. McNeill:

Thank you for submitting your plans for review. Our comments are listed below. You may respond either by explaining your rationale and why you think our concerns are not an issue, or by re-designing if you think necessary. We just want to raise a few points:

1. At the upstream edge of the rebuilt pad there appears to be a gap between the pad and the hillslope. This space could create a backwash eddy during high flows that might cause increased erosion and slumping of the hillslope. In your response, please address this so that the new pad does not cause the toe of that hillslope to come down.
2. Also, the rebuilt surface at the extreme upstream edge, at the mouth of that eddy, is perpendicular to the flow. Please assure us that the extent of the curved berm is adequate to capture oncoming flows and to deflect them back toward the channel without creating any significant splash back or undue force against the berm or hillslope.
3. If groundwater monitoring and sampling indicates that any part of the pad material is contaminated and requires remediation, the removal of those materials and remediation of those sections of the pad must take place before the pad is reconstructed.
4. Contaminated material may not be used to reconstruct the pad.

We would like to be present when construction and possible remediation take place.

Thank you very much for your diligence in this matter. It is greatly appreciated. Once you address these concerns we will approve of the plan. Also, we will want to coordinate with OCD with respect to sampling results and possible remediation. If you have any questions please do not hesitate to call.

Thank you again,

Will

William S. Barnes  
*Deputy Director*  
*Field Operations Division*

505.827.5856  
New Mexico State Land Office  
310 Old Santa Fe Trail  
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**From:** Robert McNeill [<mailto:RMcNeill@concho.com>]  
**Sent:** Wednesday, March 16, 2016 10:02 AM  
**To:** Barnes, Will <[wbarnes@slo.state.nm.us](mailto:wbarnes@slo.state.nm.us)>  
**Cc:** Kasuboski, Robert <[rkasuboski@slo.state.nm.us](mailto:rkasuboski@slo.state.nm.us)>; Bratcher, Mike, EMNRD  
<[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Patterson, Heather, EMNRD ([Heather.Patterson@state.nm.us](mailto:Heather.Patterson@state.nm.us))  
<[Heather.Patterson@state.nm.us](mailto:Heather.Patterson@state.nm.us)>; Pat Ellis <[PEllis@concho.com](mailto:PEllis@concho.com)>  
**Subject:** Crossman State 25 State #1 Well Pad Reconstruction and Professional Engineered Berm

Hello Mr. Barnes,

Attached is the cover letter and drawing specifications for the reconstruction of the pad and engineered berm at the Crossman State 25 State #1. As you requested, the reconstruction plan has been prepared and stamped by a third party Professional Engineering firm. Please review and if you have any questions, please contact me. Thanks.

Robert McNeill, P. E.  
Environmental Manager  
COG Operating LLC

One Concho Center  
600 West Illinois Avenue  
Midland, TX 79701  
Office 432.221.0388  
Cell 432.638.6470

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