

## OGMCOAL - Re: Water Samples

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**From:** April Abate  
**To:** Kirk Nicholes; OGMCOAL@utah.gov  
**Date:** 4/25/2011 7:29 AM  
**Subject:** Re: Water Samples  
**Attachments:** April Abate.vcf

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Hi Kirk,

Thanks for forwarding along the results. Interesting that both samples showed Barium. I think we should watch the lead and perhaps take a confirmatory sample of the seeps. I recommend sending this information to Erik Peterson and get his feedback on the results.

As far as a french drain system goes. I think it would be more plausible to consider one in the area near the mine entrance (where you currently have the haybales). A french drain could be very effective in that area. On the other hand, given how much water was in that pit when I was there on my inspection, I think it may be too much for a drain to handle and that pumping may be your best bet in unusually wet weather.

I think we all need to consider a location for an additional sediment pond in the west mine area. I'm not very confident that Pond 3 can handle all that water. We should definitely discuss this when you and Larry and the team meet.

Thanks again Kirk....

April

**April A. Abate**

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>>> Kirk Nicholes <knicholes@altoncoal.com> 4/21/2011 6:28 AM >>>

April ,

Here are the RCRA 8 analysis for the water in Pit 1 and water for the Lower Robinson seeps. Pete suggested using a rock filter or maybe something similar to a French drain, this would avoid impounding water. Any thoughts on this?

Thank You

Kirk Nicholes

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