

**OGMCOAL - Re: FW: Crandall Cyn: Water Quality 1st Qtr. 2010**

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**From:** Steve Christensen  
**To:** Dana Marrelli; OGMCOAL  
**Date:** 9/29/2010 3:15 PM  
**Subject:** Re: FW: Crandall Cyn: Water Quality 1st Qtr. 2010

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Hi Dana,

Thanks for getting that to me. I can input the data on my end.

Looks like we're still missing data for for the stream monitoring sites (IBC-1 and Little Bear Creek), UPDES 002's ferrous iron value for March and the Pre-Treatment ferrous iron value for March.

If you can get those to me by tomorrow, that would be great. Otherwise, the policy is to write a violation.

Give me a call and we can discuss it.

Thanks,  
Steve

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**From:** Karla Knoop [mailto:kknoop@jbrenv.com]  
**Sent:** Tuesday, September 28, 2010 10:16 AM  
**To:** Marrelli, Dana  
**Subject:** RE: Crandall Cyn: Water Quality 1st Qtr. 2010

Dana,

January 28, 2010, pretreatment site: dissolved oxygen was 4.89 mg/L according to Dave Kikkert's field notes and as reported on the attached lab sheet.

February 23, 2010, pre-treatment site: dissolved oxygen was 5.31 mg/L and pH was 7.76 according to Jamey Sage's field notes and as reported on the attached lab sheet. Alkalinity was 379 mg/L and sulfate was 170 mg/L as also reported on the attached lab sheet.

Let me know if you have any other questions about these.

Karla

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**From:** Marrelli, Dana [mailto:dmarrelli@coalsource.com]  
**Sent:** Tuesday, September 28, 2010 9:48 AM  
**To:** Karla Knoop

**Subject:** FW: Crandall Cyn: Water Quality 1st Qtr. 2010

Hello Karla,

Could you look and see if you have the information for the Pre-Treatment Mine Water listed below for the month of January and February.

Thank you,

Dana

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**From:** Steve Christensen [mailto:stevechristensen@utah.gov]  
**Sent:** Monday, September 27, 2010 5:42 PM  
**To:** Marrelli, Dana; Erik Petersen; Jim Smith; OGMCOAL@utah.gov  
**Subject:** Crandall Cyn: Water Quality 1st Qtr. 2010

Hello all,

I'm closing out the quarter and have been writing up the Crandall Canyon water quality report and I discovered some missing data/entries that need to be addressed.

***Streams:***

No data entries were made for stream monitoring sites IBC-1 and Little Bear Creek.

***UPDES 002:***

It appears that a value for ferrous iron (FE2+) was not reported for the month of March for the mine-water Q.

***Pre-Treatment Mine Water Q:*** A dissolved oxygen value was not reported for January. Alkalinity, SO<sub>4</sub>, pH and D.O. were not reported for the month of February. Additionally, a ferrous iron value was not reported for March of 2010.

Take a look when you get a chance and see if I'm on the right/wrong path here.

Thanks,  
Steve

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