

**OGMCOAL - Crandall Canyon: Residual Polymer Test Results (03/21/2012)**

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**From:** Steve Christensen  
**To:** JD Leonard  
**Date:** 4/12/2012 3:39 PM  
**Subject:** Crandall Canyon: Residual Polymer Test Results (03/21/2012)  
**CC:** Dale Davis; Ken Hoffman; OGMCOAL

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Hi JD,

Thanks for sending that along. Good to see that the residual polymer is so low. The continued monthly sampling is in line with the requirements of the permit so long as you're injecting the floc above the 3.0 ppm NSF limit. If you ever drop the injection rate below 3.0 ppm, the tests won't be required.

Thanks again,  
Steve

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>>> "Leonard, JD" <jleonard@coalsource.com> 4/12/2012 2:41 PM >>>  
Hi Steve,

I hope you had a fun/safe Easter weekend. Steve we received back the results from the Residual Polymer Test, SGS concluded that the flocculent level was at 0.13 Mg/l. Attached is the SGS Lab sheet for your viewing, I will continue to do this sample monthly and report the results to you so we all have peace of mind!

Thank You  
God Bless  
JD Leonard

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