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**From:** Dana Dean  
**To:** dshaver@coalsource.com; Petersen, Erik  
**Date:** 1/17/2008 3:16 PM  
**Subject:** Some Crandall Water Monitoring Questions

*Outgoing of  
C/015/0032*

**CC:** Pam Grubaugh-Littig

In order to complete onmy water monitoring reports for Crandall Canyon, I need some help. I have a few questions, and a few missing paramaters.

(1) missing parameters:

Little Bear Spring - 3Q 2006 - water temp., pH, Sp. conductivity  
SP2-24 - 3Q 2006 - water temp., pH, Sp. conductivity, flow

(2) For the wells that are inaccessible, is that because they are mined through, in inaccessible areas of the mine, or blocked?

(3) Is there any type of activity taking place above UPF-1, mine related or not?

(4) Was there a storm or snowmelt event contributing to the high TSS at Section 4 Creek in March of 2007?

(5) Any known reason that SP1-19 was flowing high on 6/20/06?

I understand you are both busy with other things, but I would really appreciate it if you could get back to me as soon as practical.

Thanks, and have a good weekend.

Dana