

**From:** "Hansen, Chris" <CHansen@archcoal.com>  
**To:** "Pam Grubaugh-Littig" <PAMGRUBAUGHLITTIG@utah.gov>  
**Date:** 8/7/03 7:43AM  
**Subject:** RE: Just a Couple of Questions

Pam:

As we discussed yesterday, I am forwarding to you the answers to your three questions.

Shortly after PC started JC-3, our discharge to Eccles Creek dropped significantly. The change is not immediate after turning on JC-3 since we do have a rather large lake behind the 8 left seals where we pump water originating in the 10 Left area and where the JC-3 well intercepts the mine. The lag time appears to be several hours. After JC-3 started and the lag time passed, we have been pumping between 2,400 and 2,800 gpm to Eccles Creek. We are still trying to balance our underground pumping system. We should have a good handle on a balance in a few weeks.

Concerning the coal train derailment, no coal got in the creek as far as we could tell.

EarthFax should be doing the annual cross-sections later this month, early next month.

Chris

-----Original Message-----

From: Pam Grubaugh-Littig [mailto:PAMGRUBAUGHLITTIG@utah.gov]  
Sent: Wednesday, July 30, 2003 10:16 AM  
To: Hansen, Chris  
Subject: Just a Couple of Questions

Chris - Good morning....Just a couple of questions:

I understand that JC-3 pumps 5000 gpm and JC-1 - 4000 gpm. Has this 9000 gpm pumping water to Electric Lake changed the amount of water going to Eccles Creek?

With the derailment of the coal cars by the White Oak Loadout , did any coal go into the creek?

What is the status of creek study, pursuant to the permit condition?

Thanks... Pam

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