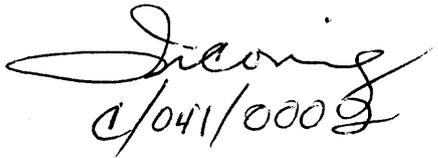


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From: Dale Harber <dharber@fs.fed.us>
To: <danadean@utah.gov>
Date: 7/27/2007 7:53:48 AM
Subject: SUFCO North Water Drilling



1/041/0002

Dana:

I have consulted with Tom Lloyd and Mesia Nyman on SUFCO's proposed drilling. We have no problem with the drilling, the test of grouting, and the geophysical survey. They should help in evaluating the subsurface conditions in the area. We do have some concerns with the report dated 29 January 2007.

1. I do not think there are data supporting some of Eric Petersen's assumptions. For example, he shows drawdown of the potentiometric surface around the depleted springs, indicating flow out of the alluvium. He also shows an overall lowering of the potentiometric surface. Yet he states that the North Water area is still supplying the same amount of water to the East Fork of Box Canyon. Without an increase in the hydraulic conductivity and an increase in the volume of water from the recharge area, I don't think this is possible. If the system is losing water along the way, it must have more water coming in to maintain the flow going out.
2. Piping water from the side drainages to the springs is not water replacement. It is just moving water from one point to another.

We can deal with these points later. They should go ahead now with their drilling program.

Call me at 435-636-3548 if you have any questions.

Dale Harber
Geologist
Manti-La Sal National Forest

CC: Thomas W Lloyd <twlloyd@fs.fed.us>, Mesia Nyman <mnyman@fs.fed.us>, Jeffrey Alexander <jalexander@fs.fed.us>, Dale Harber <dharber@fs.fed.us>