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Subject: Tin Cup Dam Emergency Repairs, Sept. 2003

I've attached additional photos of Tin Cup Dam Repairs from the latest site visit from 9/21-9/23. Steve Romero, RO Engineering, was also present during the duration. The liner was successfully installed and keyed into the cutoff trench, and progress continued for the placement and compaction of the protective berm along the upstream side of the liner (Photos 1 and 2). The third photo shows the placement of rock on the filter fabric. The purpose of the filter fabric is to prevent fines from washing out into the reservoir next spring. The plan was to place the protective berm upstream of the impermeable liner in two lifts in order to accommodate the reach of the small excavator (Photo 3 shows placement of rock along the first lift).

The berm supporting the liner is wider than initially planned in order to accommodate the equipment crossing the berm, which adds an additional factor of safety to the original design. The challenge was finding suitable material, but the balance was made up from the upstream side of the dam left of the breach area (looking downstream). Steve Romero's rough estimate of the final material quantity in the completed berm will be approximately 400 cy.

Mary Williams visited the site on 9/22 and determined that the proposed log boom anchor site in front of the spillway is free and clear of any disturbance to the previously discovered archeological sites. This information was passed onto Bob Doleman on the same date. As of today's date, I do not know the plans for the modified log boom installation.

Steve thought it would be a good idea to conduct additional density tests on the material in the berm upstream of the liner, and this information was passed onto Tex Marsolek via a satellite phone conversation before we hiked out of the site on 9/23. The work was expected to be complete by 9/25.

If you're interested, there are many more photos of the repair work, and I can create a directory where you can access them.

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Photo1.JPG



Photo2.JPG



Photo3.JPG



09/21/2003



09/21/2003

