

September 17, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Dana Dean, P.E., Environmental Scientist III/Hydrology  
Priscilla W. Burton, Environmental Scientist III/Soils

RE: Technical Field Visit, Crandall Canyon Shaft Area, Plateau Mining Corp., Willow Creek Mine, C/007/038

**Other Attendees:** Johnny Pappas, Senior Environmental Engineer, Plateau Mining Corp.

**Date & Time:** September 11, 2003, 9:30 – 11:30 am

**PURPOSE:** To view the beginning of the reclamation of the Crandall Canyon Shafts area.

**OBSERVATIONS:**

Plateau Mining Corp. finished backfilling the Crandall Canyon shafts on August 1, 2003. Contouring of the site began last week. The lower portion of the drainage (below the intake shaft) was roughed-in, but not to final grade. Mr. Pappas discussed changing the location of the lowest end of the drainage to meander around the exhaust shaft location, providing room to mound up material above the filled shaft. There is already a mound of material (approximately 50') above the backfilled intake shaft (upstream). Plateau plans to finish this portion of the Willow Creek reclamation by the end of October; however, they will come back a year later to see if the material above the shafts has settled. If more shaping and regrading is necessary, they will do it then.

Several recent storm events have made the subsoil very moist. As a result, it is becoming very compacted as it is worked. Mr. Pappas was advised that the subsoil should be ripped before substitute topsoil placement.

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**TECHNICAL FIELD VISIT**

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The location of the substitute topsoil was observed. The area is at the west end of the canyon before the leach field road. In this location, one could observe areas that had been gouged and seeded vs. seeded without gouging.

Photographs from this inspection are in the Images folder for the mine.

**RECOMMENDATIONS/CONCLUSIONS:**

OGM representatives should continue to visit the site as the work progresses to monitor the reclamation, including proper placement and armoring of the channel and ripping of the subsoil prior to topsoil placement.

cc: All Attendees  
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