

September 17, 1986

TO: Technical File

FROM: Rick P. Summers, Reclamation Hydrologist *RES*

RE: Site Tour, Summit Minerals #1, Summit Minerals,
ACT/043/001, Summit County, Utah

On September 16, 1986, I met with Barbara Filas and Richard Kopp (representatives of Summit Minerals) at the Summit Minerals #1 Mine. The purpose of the visit was to evaluate the current site layout, discuss proposed changes, and develop an understanding concerning the information needed in the upcoming permit submissions.

The major agreements as a result of that tour are as follows:

1. A two-cell sedimentation pond will be utilized at the site. The current lower pond is located in the flood plain of Chalk creek as is an undesirable location for both parties. It was agreed that if possible the pond would be moved to an area east of the lower warehouse (location of the crusher for the sand and gravel operation) and the lower pond reclaimed. If the lower pond is to be retained, a determination of the potential impact of the 100 yr- 24 hr flood in Chalk Creek upon the structure must be submitted.
2. A diversion at the toe of the outslope to the area previously used as gravel storage will not be required. Extensive additional disturbance will be necessary in order to construct the diversion, the outslope is currently slightly vegetated, and silt fencing/straw bale treatment (if actively maintained) will be adequate for erosion control during the reclamation period. Additionally, the proposal will contain measures to stabilize and revegetate this slope resulting in a reduction of sediment contribution with time.
3. The extensive cutslopes for the undisturbed diversions will require seeding and mulching (as feasible) and possibly erosion netting. All diversions onsite will need work to upgrade the site into compliance.

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4. Ms. Filas and myself will agree on the baseline assumptions (curve numbers, manning's n values, precipitation values, design events, watershed drainage areas, etc.) to be used in the hydrologic design prior to initiation of calculations.
5. The access road drainage will be treated with alternative sediment control structures (catch basins, silt fencing, straw bales).

Ms. Filas said she would contact me early next week (9-22-86) concerning the hydrologic assumptions.

jvb
cc: Sue Linner
 Dave Cline
6000R-58