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DIVISION OF OIL, GAS AND MINING

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July 1, 1996

TO: File

THRU: Joe Helfrich, Inspection Supervisor *JH*

FROM: Sharon Falvey, Senior Reclamation Specialist *SF*

RE: 96A, Tank Seam As-Built, Bear Canyon Mine, CO-Op Mining Company,  
ACT/015/025-96A, Folder #2, Emery County, Utah

Synopsis:

The Permittee has submitted some changes in the drainage and routing of the Tank Seam Amendment 96 A on 3-28-96 which was routed to the SLC office on 5/7/96 and routed to me sometime after 5/6/96. The drainage features presented in this submittal should be inspected against in the field. It is recommended that the submitted changes be approved and incorporated into the plan.

Analysis:

The general concepts that were applied in the original approval were applied in this submittal. Therefore no review of the hydrologic input values used in the original approval were conducted. A few of the changes were calculated to test values presented and were determined to be reasonable. Text changes and methods used in Alternate Sediment Control areas were reviewed and found to be similar to earlier approved methods.

A couple of technical issues were noted. The silt fence design diagram do not have a spillway notched into the structure. Without a low point for the water to discharge the water will tend to back up and circumvent the structure sometimes resulting in a widened channel the channel where this occurs. It is recommended that the operator adjust the silt fence where constructed in drainages. Another engineering standard that was not followed was a minimum of a 0.3 foot freeboard. This standard is less critical where drainage reports to a sedimentation pond. However, where undisturbed drainages and alternate sediment control measures using drainage conveyance structures are emplaced these practices should generally be followed.



Page 2  
July 1, 1996  
ACT/015/025-96A

Findings:

The hydrologic changes presented in this "as-built submittal" meet the general design criteria and methods employees with the original submittal. A cursory review of the Technical Analysis completed for the Tank Seam Amendment indicate no TA changes are required by this amendment.