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April 23, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Tom Munson, Sr. Reclamation Hydrologist 

RE: Review of NOV #89-26-23-2, 1 of 2, Coarse Road Refuse and Sanitary Landfill Area, Kaiser Coal Corporation, Horse Canyon Mine, ACT/007/013-90B, Folder #5, Carbon County, Utah

Synopsis

The operator has submitted necessary technical information to address the recommendations spelled out in a Technical Memorandum of February 14, 1990 from Tom Munson to Pamela Grubaugh-Littig (copy attached). Due to future plans to reclaim this area, the work proposed has certain areas which could be constructed with reclamation in mind, versus maintenance.

Analysis

The installation of the 36-inch culvert was an acceptable plan to achieve compliance for a maintenance and sediment control plan for the site. Removal of this culvert and implementation of a riprapped channel in its place would be more in harmony with the requirements of final reclamation. The size of Channel UD-1 and the use of similar size riprap could be implemented without a major problem. The operator must use sediment controls prior to any disturbed drainage entering the undisturbed channel from areas adjacent to channel UD-1. The use of small sediment traps, silt fences, or loose rock check dams could achieve compliance.

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Memo to P. Grubaugh-Littig
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Recommendations

These design changes be implemented to make the plan more compatible with regulatory reclamation requirements. Basically, two design changes to be recommended to the operator are:

1. Remove the culvert and replace with an open channel of similar size to UD-1.
2. Install small sediment traps and silt fences at any planned disturbed drainage entering the undisturbed UD-1 channel.
3. Revise Plate I to show these changes.

djh
Attachment
AT46/26-27