June 24, 1986

TO: Technical File

FROM: Rick P. Summers, Hydrologist RPS

RE: Genwal Coal Co., Crandall Canyon Mine, Review of 6-10-86 submittal, ACT 015/032, Emery County, Utah

Summary:

Genwal Coal Company's response to our review of May 27, 1986 (dated 6-10-86) was reviewed to determine the completeness of the response (DOC stage review). The following items are still considered incomplete and need to addressed more fully in order to grant approval.

UMC 784.13 Reclamation Plan General Requirements - RS/JRH

.13(b)(1) The applicant's reclamation timetable (pg. III-38) must reflect the removal of the sedimentation system (i.e. sediment pond and associated diversions) after compliance with the requirements of UMC 817.46(u). See comments under UMC 784.14 for details required for this determination.

The applicant has partially addressed this comment. The applicant is requested to submit three maps depicting the drainage system at the proposed minesite. The first map should depict the drainage system (including diversions (labeled), contributing watersheds, the sediment pond, berms, culverts and other drainage control devices) proposed for the operation phase. A second map should depict the drainage system (including all of the above items) proposed for the site following the final grading and reseeding phases of reclamation. A third map should depict the final drainage plan (including all of the above items) for the site prior to final abandonment (i.e. reconstructed channels, removal of the diversions, and removal of the sediment pond.

The applicant has not adequately addressed this comment. The three maps requested depicting the reclamation phases are not complete nor technically adequate. The drainage system (including all items mentioned above) is not depicted on each map. This includes, but is not limited to, depiction of berms along the road, lack of final channel designs for the ephemeral channel immediately to the west of the portals, and depiction of interim sediment control devices (i.e. silt fences along the perimeter of the site during construction and reclamation activities.

.16(b)(2) The applicant has not addressed this requirement completely. The applicant must submit the information required under 30 CFR, 77.216-1 and 30 CFR 77.216-2. These requirements are enclosed for the applicant's reference. To facilitate the review the applicant should respond to each item in sequential order.

The applicant has completely addressed this comment in Appendix 7-6. It has not been technically reviewed at this stage of the review process.

UMC 817.41 Hydrologic Balance: General Requirements - DC/RS

GENERAL

The following comments pertain to hydrology in a general nature and deficiencies found in the MRP.

4. Page III-15, section 3.3.9.2. The applicant states that solid waste will be disposed of at a state approved landfill. The proposed landfill should be specifically identified in the MRP.

The applicant has not completely addressed this comment. A disposal area has not been proposed, but has not been permitted or approved by State Health. To accomplish this approval, a 30-day public comment period will be required. Therefore, a stipulation will be required in order to grant Genwal a timely approval.

10. Page III-38, Section 3.5.6.1. A reclamation map must be submitted depicting this system. This section should reflect the proposal to leave the sedimentation system intact at the site until the requirements of UMC 817.46(u) are met.

    This section is not complete. See comment under UMC 784.13 for specific deficiencies.

UMC 817.46 Sedimentation Ponds-RS

.46(i) The applicant must submit plans showing that the emergency spillway is capable of discharging the required event from the sediment pond crest to Crandall Creek. A spillway only at the crest (Plate 7-1) is not sufficient as drainage is being routed to an undefined channel and erosion is highly probable when flow is routed to an area that has not been developed to handle such flows.

The applicant has provided the requested information. The emergency spillway proposed will be acceptable (following technical review) if onsite inspection of the area verifies that previous (nor probable future) piping or erosion around the large rock fragments is evident and the design is reviewed and approved by the USFS.

This section is still not complete. An onsite visit will need to be conducted in conjunction with the USFS in order to determine compliance with this section.

.46(s) The applicant must propose measures to insure compliance with this subsection. Reclamation measures for the sediment pond outslope must be described and the area of reclamation must be depicted on the plate labelled "runoff controls".

This section is not complete. The applicant must submit plans to restore the riparian community in the vicinity of the sediment pond and all other areas of the Crandall Creek channel that are impacted.

jvb
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