



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

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December 28, 1998

TO: File

THRU: Daron Haddock, Permit Supervisor *DRH*
 Joe Helfrich, Permit Supervisor *JH*

FROM: David Darby, Reclamation Specialist III *DD*

RE: Updated Maps, Genwal Resources, Crandall Canyon Mine, ACT/005/032-98E, Folder #2, Emery County, Utah

SUMMARY:

The Division received revised surface facilities maps, Plate 5-3 and Plate 7-5, and accompanying text on October 30, 1998. This review was conducted to ensure the information pertaining to the surface hydrology is complete and accurate.

TECHNICAL ANALYSIS:

HYDROLOGIC RESOURCE INFORMATION

Regulatory Reference: 30 CFR Sec. 701.5, 784.14; R645-100-200, -301-724.

Analysis:

The maps and formation provided in the amendment identifies the surface drainage system at the Crandall Canyon minesite. A combination of diversions, ditches and culverts separate undisturbed drainage from disturbed drainage. A comparison of the information from Table 5 with the structures identifies on Plate 7-5 reveal a functional system for the disturbed area. The applicant has planned to contain or treat all runoff on site using ditches, culverts and a sedimentation pond.

The applicant provided peak flow information for the surface facilities hydrologic structures in Table 6.

Findings:

Information provided in the proposed amendment is considered adequate to meet the requirements of this section.

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MAPS, PLANS, AND CROSS SECTIONS OF RESOURCE INFORMATION

Regulatory Reference: 30 CFR Sec. 783.24, 783.25; R645-301-323, -301-411, -301-521, -301-622, -301-722, -301-731.

Analysis:

The applicant has supplied Plate 5-3 detailing the surface facilities and Plate 7-5 illustrating the drainage plans for the surface facilities. site and route of the power line to the mine. The map shows the topography of the operating surface facilities. The maps appear complete.

Findings:

Information provided in the proposed amendment is considered adequate to meet the requirement of this section.

RECOMMENDATION:

The sections of this amendment related to hydrology and geology are recommended for approval.