



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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February 25, 2000

TO: Internal File

THRU: Daron Haddock, Permit Supervisor *DQH*

FROM: David Darby, Reclamation Specialist III *DD*

RE: As-built Channel Plans for Reconstruction of Permanent Undisturbed Drainage Divisions, Mountain Coal Company, Gordon Creek #2, #7, & #8 Mine, ACT/007/016-AM99A

SUMMARY:

An updated amendment was received at the Division on January 27, 2000. A set of as-built plans channel design were submitted to address the final construction of channel designs for channels SD-4, SD-5 and SD-6. The structure changes were made by the operator after a trespasser drove a vehicle across the property. The reconstruction took place in November 1999. The Division received a set of updated plans as part of the Phase II bond release application on December 6, 1999. Since the information was required for the MRP the information was remitted to the operator. Mining operations have ceased and the mine has been regraded to approximate original contour, only the reclamation plan is addressed.

TECHNICAL ANALYSIS:

RECLAMATION PLAN

HYDROLOGIC INFORMATION

Regulatory Reference: R645-301-742, -301-761.

Analysis

The operator submitted as-built cross-sections of all the channels on the #2 Mine pad.. The cross-sections illustrate the area used in measuring the transport capacity and freeboard design of the reconstructed channels. The applicant previously submitted calculation for the

upgraded design standards on December 6, 1999, which were returned, because they were submitted as part of the bond release package instead of an amendment to the MRP.

The cross-sections not only include sites SD-4, SD-5 and SD-6 (Plates 7-9 and Plate 7-9A), but other Plates 3-8a through 3-8 H were submitted showing cross-sections and longitudinal sections of the main channel and the sedimentation pond (Plate 7-8). The stream reaches and survey coordinates on the cross-section plates are referenced on Plate 3-7 for location.

Hydrologic calculations were submitted as Appendix 7-6, Reclamation Channel Flow Calculations and Appendix 7-7, Reclaimed Channel Certifications.

Findings

The applicant has submitted sufficient information to address the amendment deficiencies.

RECOMMENDATIONS:

It is recommended that this submittal be approved.

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