



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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January 11, 1989

TO: John Whitehead, Permit Supervisor

FROM: Richard V. Smith, Geologist *RVS*

RE: Review of Proposed Permit Change, Underground Water Monitoring Plan, Beaver Creek Coal Company, Trail Mountain #9 Mine, ACT/015/009-88(C), Folder #2, Emery County, Utah

Synopsis of Previous Action

The operator initially submitted correspondence, dated May 11, 1988, that stated underground water monitoring station UG-1 and TM-2 were inaccessible and would no longer be monitored. Subsequently, the operator indicated that UG-1 would be replaced with inflow monitoring station UG-2 and TM-2 would not be replaced with an alternative borehole monitoring station (see Technical Memorandum dated October 25, 1988). It was recommended that prior to approving a permit change, UG-2 should be inspected by technical staff and the operator must commit to developing a borehole monitoring station to replace TM-2. Technical staff inspected UG-2 on December 14, 1988 (see Inspection Report dated December 15, 1988) and concurred that it would serve as a useful inflow monitoring station. The operator has yet to provide a commitment to replace TM-2, including an approximate location shown on Figure 7-9A.

Synopsis of Present Proposal

The operator has proposed a permit change in correspondence dated January 4, 1989, to establish UG-2 as an inflow monitoring station. UG-2 is located on Figure 7-9 and Figure 7-9A. The operator proposes to monitor UG-2 on a quarterly basis according to operational parameters given on revised Attachment III in Appendix 7-1.

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Memo to J. Whitehead
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Review of Present Proposal

Inasmuch as UG-2 represents a new mine inflow, quarterly monitoring for a period of two years must encompass baseline parameters as shown on Attachment IV, Appendix 7-1. Following completion of baseline monitoring, the operator may initiate operational monitoring.

The operator has not submitted information related to the development of a monitoring borehole to replace TM-1.

Recommendations

Prior to approving permit change ACT/015/009-88(C):

1. The operator must revise Attachment IV to show that UG-2 will be monitored quarterly for baseline parameters for a period of two years.
2. The operator must provide a commitment, suitable for insertion into the PAP, to develop a replacement borehole monitoring station for TM-1. The proposed borehole monitoring station must be identified and located on Figure 7-9A.

djh
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