



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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April 12, 1989

TO: File

FROM: David Darby, Geologist *DDW*

RE: Mid-term Permit Review, Soldier Canyon Mine, Soldier Creek
Coll Company, ACT/007/018, Folder #2, Carbon County, Utah

Summary

A deficiency review has been completed on Soldier Creek Coal Company's (SCCC) approved Mining and Reclamation Plan (MRP). Copies of the MRP were originally submitted by on March 26, 1986 and include intermittent amendments.

Analysis

The following is a list of deficiencies that need to be addressed before the MRP can be considered current.

UMC 784.14 Protection of Hydrologic Balance

The applicant needs to update the Mining and Reclamation Plan by incorporating:

1. The amount and quality of mine water discharge. The amount of discharge should be plotted on an hydrograph to indicate the amount of discharge over time.
2. In-mine water monitoring data should be summarized and incorporated in the ground water section.
3. Well monitoring data should be summarized and incorporated in the ground water section.
4. Mine sequence maps should be updated to indicate areas mined and sequence of mining since 5-year permit was issued.
5. Overburden isopach maps need to be submitted where mining will take place above or adjacent to each seam to be mined.
6. The subsidence monitoring program.
7. Information needs to be submitted to show that the perennial streams (Soldier Creek and Pine Creek) will be protected from subsidence.

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Map E 052 indicates that multiple seam mining is intended under Soldier Creek and longwall mining will occur under Pine Creek. In compliance with performance standards under UMC 817.41, 817.57, 817.97 and 817.121-.126 coal shall be developed in a manner to minimize adverse impacts to a renewable resource. Mining shall not be permitted beneath or adjacent to a perennial stream "unless the Division finds that subsidence will not cause material damage which will result in environmental degradation or safety hazards to streams.

In the past Soldier Creek Coal Company received permission to develop enteries under Soldier Creek with provisions of using the best technology available to stabilize the mine area and reduce adverse impacts. The new plans indicate extensive development beneath and adjacent to perennial streams. This intended development needs to be supported by information that details subsidence values and mitigation measures for stream protection.

Recommendations

I recommend a meeting with the operator to discuss the information that is requested.

dwd
cc: S. Linner
R. Summers

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