



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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December 5, 1989

TO: File

FROM: David Darby, Geologist 

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

Summary

The mid-term permit review of August 22, 1989 outlined a deficiency (UMC 817.52, Hydrologic Balance) in Soldier Creek Coal Company's (SCCC) Mining and Reclamation Plan (MRP) with regards to their well (ground water) monitoring program.

SCCC's submittal of November 13, 1989 addresses ground water monitoring schedules (revised page 4-48 and potential new ground water monitoring sites that will be incorporated as part of the exploration plan approved June 26, 1989 and encompasses the incidental boundary change area approved on September 13, 1989.

Analysis

SCCC was required to incorporate a third well monitoring site into their ground water monitoring program to determine the piezometric surface of the regional aquifer.

As a result of the mid-term review, one additional observation well (6-1, Exhibit 3.2-1) will be added to the monitoring schedule. Drill hole 6-1 is presently being completed under the above mentioned exploration plan. This well will also be completed as a degasification well. The well will be drilled through the Sunnyside coal seam and completed 50 feet above the Rock Canyon seam. Future mining will render this well unusable, however, data will be collected per the established schedule until 1993.

Two additional drill holes proposed for drilling in 1990 (032-1 and 32-2, Exhibit 3.2-1) could provide better long-term ground water monitoring data.

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Recommendation

The applicant has supplied sufficient information to address the deficiencies outlined in UMC 817.52 of the mid-term permit review. This information should be accepted and incorporated into the MRP.

DWD/djh
cc: S. Linner, DOGM
M. DeWeese, DOGM
BT239/41