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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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November 28, 1988

TO: File

FROM: David W. Darby, Geologist *DWD*

RE: Technical Analysis Resubmittal- Five year Permit Review, Skyline Mine, ACT/007/005, Utah Fuel Company, Folder #2, Carbon County, Utah

Synopsis

A review was conducted on the ground water and subsidence sections of Utah Fuel Company's response to permit deficiencies outlined in a November 1, 1988 submittal.

Summary of Permit Review

UMC 784.14 Reclamation Plan: Protection of Hydrologic Balance KW and UMC 817.121-.124 Subsidence Control Plan DWD

The applicant states that ongoing ground water and subsidence monitoring programs (pages 18 and 19) designed to monitor the impacts of mining on the hydrologic balance are being conducted.

The requirements of UMC 798.14(a)(3) and 784.14(c) are specifically addressed in the Mining and Reclamation Plan (MRP) under Sections 4.11 and 2.5. Water rights replacement are covered in Section 4.11.1. Water quality is covered in Sections 4.11.d and 4.11.4 respectively. Water monitoring requirements are addressed in Sections 2.3 and 2.4.

Conclusion

The applicant has submitted sufficient ground water and subsidence information to the Division so that an assessment of the probable hydrologic consequences from mining could be conducted over the next five year permit term.

This information also indicates that there is potential for mining to disrupt the hydrologic balance if mining continues to the west, under aquifers that supply springs and streams in Huntington Canyon. Dewatering of these aquifers and inter-basin transfer of ground water will be unacceptable.

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There has not been sufficient information supplied to protect the hydrologic balance over the life of the mine as currently proposed. If there is an intent to mine past the drainage divide, on the side of Huntington Canyon, the operator will be required to submit two years of baseline data defining the extent, thickness, quality and probable impacts of all aquifers above the lowest coal seam to be mined.

dwd/DWD

cc. Sue Linner
~~R. Hagen.~~
B Team
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