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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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November 21, 1988

TO: Susan Linner, Permit Supervisor

FROM: Rick P. Summers, Reclamation Hydrologist *RPS*

RE: Five-Year Permit Renewal Review, (Received November 1, 1988), Utah Fuel Company, ACT/007/005, Folder #2, Carbon County, Utah

The following comments are in regard to the five-year permit renewal submitted on November 1, 1988 from Utah Fuel Company.

UMC 817.44 Hydrologic Balance: Stream Channel Diversions

(d) The applicant has revised pages 4-30, 4-35 and 4-88 to address comments on this regulation. Pages 4-30 and 4-35 present a proposed revegetation plan for the riparian zone. This will be adequate relative to restoring the riparian vegetation if the plan is approved by the Division biologist.

Page 4-88 contains narrative to describe measures to be used to enhance the macro-invertebrate habitat for the final Eccles Creek channel reclamation. The incorporation of aquatic habitats and a natural longitudinal profile, cross-section, and natural meandering shape (subsections (d) (2-3)) in the final channel design will be more appropriately reviewed in conjunction with the engineering designs to be submitted in December.

UMC 784.13 Reclamation Plan: General Requirements

The applicant has added narrative on page 3-40 that commits to retaining the pond until the requirements of UMC 817.46 (u) are met at which time the pond will be reclaimed. This will be adequate if the final reclamation designs and maps (December submittal) reflect this commitment.

UMC 817.56 Hydrologic Balance: Postmining Rehabilitation of Sedimentation Ponds, Diversions, Impoundments and Treatment Facilities

The applicant has added appropriate language on page 4-3 of the application and is in compliance with this regulation.

UMC 783.24 Maps: General Requirements

With regard to permit boundaries of the conveyor line, the response is not complete. See comments by JRH, UMC 784.13 for required information.

The applicant has added a disturbed area boundary for the waste rock area on Map 4.16.1-lb. The disturbances associated with the access road were not included on this map.

The applicant has depicted four monitoring stations for the waste rock disposal area on Plate 2.3.6 - 1.

UMC 817.52 Hydrologic Balance: Surface and Ground Water Monitoring

Spring S13-2 has been added to Plate 2.3.6-1. The response is adequate.

Plate 2.3.6-1 has been revised to depict site S10-1 and S12-1 as spring monitoring stations. The response is adequate.

The surface water monitoring plan proposed is generally adequate. However, the Division feels that settleable solids and dissolved oxygen should be added to the Eccles Creek stream stations on Table 2.3.7-2 and nitrite should be added to the Eccles Creek outfall, mine water discharge, and sedimentation pond stations (CS-2, CS-12, CS-14, NPDES point).

The plots of water quality parameters verses time (Vol. 4) have been updated to include samples through 1986. The Division feels these plots should include data collected through the submittal date.

UMC 817.42 Hydrologic Balance: Water Quality Standards and Effluent Limitations

The acreages for the small area exemptions have been added to the permit text on page 3-26. The response is adequate, however, the review of the acreage values and final approval for the small area exemptions will be conducted in conjunction with the sediment pond and runoff control plan designs to be submitted in December, 1988.

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Utah Fuel Company  
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UMC 817.63 Roads: Class II: Drainage

The applicant has provided design information for Class II culvert crossings. This information is more appropriate for review in conjunction with the runoff control plan designs scheduled for December, 1988 submittal.

BT6005/41-43