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State of Utah
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DIVISION OF OIL, GAS AND MINING

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September 18, 1996

TO: File #2

THRU: Joe Helfrich, Permit Supervisor *Jch*

FROM: Steven M. Johnson, Reclamation Hydrologist *SMJ*

RE: Borrow Area A, Hiawatha Complex, U.S. Fuel Company, ACT/007/011-96C, File #2, Carbon County, Utah

HYDROLOGIC OPERATIONAL INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Sediment Control

A silt fence will be installed in the Southeast corner of the borrow area. All runoff will be directed through the silt fence for sediment control. Soil will be ripped and seeded to deter the amount of sediment produced by water erosion.

Diversions

An 18-inch culvert is proposed for temporary use in the south drainage around Borrow Area A. The culvert is designed to convey the flow from Sediment Pond D006 around the borrow area. U.S. Fuel has not designed the ditch diversions around the borrow area, and the diversion on the south side of the borrow area that routes water out of the borrow disturbance.

Findings:

The following deficiency exists in the operational hydrologic design of Borrow Area A:



Page 2

ACT/007/011-96C

September 18, 1996

R645-301-742.312--U.S. Fuel has not designed the ditch diversions around the borrow area, and the diversion on the south side of the borrow area that routes water out of the borrow disturbance.

RECOMMENDATIONS

This amendment should not be approved without adequate diversion designs for new diversions created under this project.

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