



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

Michael O. Leavitt  
Governor  
Lowell P. Braxton  
Division Director

June 19, 1998

TO: File

THRU: Joseph C. Helfrich, Permit Supervisor *JCH*

THRU: Daron R. Haddock *DRH*

FROM: Michael J. Suflita, Reclamation Hydrologist *MJS*

RE: Temporary Waste Rock Storage Area, Canyon Fuel Company, LLC, Dugout Canyon Mine, ACT/007/039-98-1, Folder #2, Carbon County, Utah

## SYNOPSIS

The Mine Operator returned the signed mining permit to the Division on April 14, 1998. On June 18 the Operator submitted a revision to the approved MRP and this technical memo is a response to the hydrologic aspects ONLY of that submittal.

## TECHNICAL ANALYSIS

### **OPERATION PLAN**

Regulatory Reference R645-301-742, Sediment Control Measures

#### **Analysis:**

The revision is basically to add a temporary storage area for materials taken out of the mine during the startup and during mine operation. The storage area is located below the road leading up to the mine portals. Storage times were changed from three to four months and the storage volume was increased from one truckload to 1500 cubic yards.

The base of the storage pile is shaped to provide a self-contained berm that will store the 100-year, 6-hour storm. In addition, there is a channel outside the berm that directs flows to a series of three silt fences which treat the flows before they enter Dugout Creek. These are believed to be adequate to protect the creek from additional sediment loads that could be generated by the storage pile.

#### **Findings:**

This amendment meets the minimum requirements of the referenced regulations.