



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

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May 20, 1993

TO: Daron Haddock, Permit Supervisor

FROM: Thomas Munson, Senior Reclamation Hydrologist 

RE: Division Order #93A (Pond No.8), Emery Mine, Consolidation Coal, ACT/015/015, File Folder #2, Emery County, Utah

SYNOPSIS

The Division received, on April 8, 1993, the additional information requested by Mr. Daron Haddock on March 17, 1993 to supplement the February 5, 1993 response to Division Order #93A. This information will be reviewed in this memo.

ANALYSIS

Pond # 8 was analyzed using the Interactive Surface Model to cross check the volumes for sediment storage and runoff volumes. The following volumes were calculated based on the following elevations:

5909'-1.5 ac-ft Sediment Clean Out elev.
 5910'-2.10 ac-ft Dewatering Pipe Invert elev.
 5911.4'-3.04 ac-ft 10 yr./24 hr. event
 5911.6'-3.18 ac-ft 100 yr./24 hr. event
 5914'- 5.04 ac-ft one ft. below embankment
 5915' 5.9 ac-ft top of embankment

Based on this verification of the pond volumes it has been determined that this pond has adequate storage volumes.

The dewatering device is capable of dewatering the pond to maintain adequate detention time to meet Utah and federal effluent limits.

The pond is also located where failure is not expected to cause loss of life or serious property damage.

RECOMMENDATION

The pond and other supporting structures be approved and that this pond be allowed to operate primarily based on storage by having met the regulatory requirements of R645-301-742.224.

