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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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Michael O. Leavitt  
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September 8, 1998

TO: File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: Wayne H. Western, Reclamation Specialist *WHW*

RE: Midterm Review, Consolidation Coal Company, Emery Deep Mine, INA/015/015-98MT, File #2, Emery County, Utah

## SUMMARY:

As part of the midterm the Division reviewed the reclamation cost estimate for the Emery Deep mine. The Division determined that the reclamation cost estimates are inadequate.

Technical Analysis:

## BONDING AND INSURANCE REQUIREMENTS

Regulatory Reference: R645-301-800, et seq.

During the midterm review of the Emery Deep mine, the Division reviewed the reclamation costs estimates and found them inadequate. The deficiencies in the reclamation cost estimates are:

- The demolition costs do not include the demolition of foundations, footings and floors.
- The demolition costs do not include the disposal cost for debris.
- The Permittee used generic cost estimates for earthwork calculations. The Permittee must give the Division detailed cost estimates that include the volume of material to be moved, the distance and grade, and the equipment type.

The Division is standardizing the reclamation cost estimates. Those estimates are based on the procedures outlined in the OSM reclamation handbook. If the Permittee has any question about how the reclamation bond should be prepared, they should contact the Division or the OSM reclamation handbook.

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**Findings:**

The information provided in the MRP is not considered adequate to meet the requirements of this section. The Permittee must provide the following in accordance with:

**R645-301-830.400**, the Permittee must supply the Division with detailed reclamation cost estimates. Those estimates must include the costs of demolishing floors, footings and foundations, and the debris disposal costs. The earthwork costs must be based on the volume of material to be moved, the distances and grades involved and the type of equipment.

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