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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

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)

April 10, 1998

TO: File

THRU: Joe Helfrich, Permit Supervisor *JH*

FROM: Jess Kelley, Reclamation Specialist *JK*

RE: Enlargement of Tank Seam Facilities Pad and Extension of Ditch D-7D, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-98A, Folder #2, Emery County, Utah

SUMMARY:

The permittee submitted this amendment for Division approval on April 1, 1998.

The amendment consists of 2 parts: 1) the addition of a small strip of disturbance to the Tank Seam facilities pad, and 2) the extension of a portion of Ditch D-7D to replace a portion of Culvert C-2D, which will thus be eliminated.

TECHNICAL ANALYSIS:

Division inspector Pete Hess recommended the addition of ground to the Tank Seam facilities pad in his October 28, 1997 inspection report. The operator had stockpiled road construction material on the south side of the pad and, because of handling and runoff, some of the material had migrated over the berm and down the adjacent hillside and had covered a silt fence at the base of the hillside. Hess recommended that the operator clean up and revegetate the area and include it in the approved disturbed area.

The additional disturbed area is approximately 12 feet wide and 40 feet long, and thus comprises about 0.01 acres. It is shown on the following maps, which have been revised and recertified by Charles Reynolds, a professional engineer licensed in the state of Utah:

- Plate 2-4E--Surface Facilities
- Plate 3-2E--Post-Mining Topography
- Plate 7-1E--Hydrology Map
- Plate 7-5--Watershed Map
- Plate 8-1--Soils Map
- Plate 8-5E--Reclamation Area

The portion of Culvert C-2D that goes from the tipple area to the Coal Storage Area has been a maintenance headache for the permittee for some time. Therefore, the amendment proposes that approximately 125 feet of this culvert be removed and replaced with an extension of Ditch D-7D of the

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same length. This portion of the ditch will be armored with +6-inch rip-rap. Since its slope is less than that of the design slope of the rest of the ditch (49%, as opposed to the design slope of 55%) it will be adequate to handle any anticipated flows.

The modified ditch and culvert are shown on the following maps, which have been revised and recertified by Charles Reynolds, a professional engineer licensed in the state of Utah:

- Plate 2-4C--Surface Facilities
- Plate 7-1C--Hydrology Map
- Plate 7-5--Watershed Map

The only additional reclamation costs associated with this amendment are those associated with the revegetation of the additional disturbed area, which amount to \$47.71, in 1990 dollars. These costs have been added to the approved reclamation cost estimate. When the approved reclamation cost estimate is then recalculated and escalated through the year 2000, it increases from \$524,192 to \$524,259 in year 2000 dollars, an increase of \$67, as shown on revised page 3-86. Since this increase is well within the 10% contingency of \$37,339, no increase in the bond is necessary.

RECOMMENDATION:

It is recommended that this amendment be approved and included as part of the approved plan.

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