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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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October 5, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Jesse Kelley, Reclamation Engineer *JK*

RE: Amendment to Permit Application Package for Construction of Sediment Traps, Utah Power & Light Company, Cottonwood/Wilberg Mine, ACT/015/019-90I, Folder #3, Emery County, Utah

## Synopsis

On October 1, 1990, the Division received from Utah Power and Light Company a proposal to amend the mine plan and allow the construction of two sediment traps in the area of the tipple. The proposal package contains one revised page of text, a revised map, and a construction drawing of the proposed sediment traps.

## Analysis

The proposed sediment traps are described on page 3-33. Their proposed locations are shown on Map 3-16 (Facilities Map) and Drawing No. DS1159C (Deer Creek Mine Plan) shows their dimensions and the specifics of their construction.

The sediment traps are identical in design to those at Utah Power and Light Company's Deer Creek Mine (see Drawing No. DS1159C, Deer Creek Mine Plan). The purpose of the traps is to reduce the amount of sediment entering the main sediment ponds and thus reduce the frequency of pond cleaning. The traps will be of reinforced concrete construction. They will be approximately 22 feet long by 14 feet wide by three feet deep and will have a maximum capacity of about 2900 gallons. The floor of the traps tapers up to the ground surface level at one end to allow the entry of machinery for cleaning.

Water will flow into the sediment traps via surface ditches. Water will leave the traps through small, weir-shaped spillways in the sides. It will flow thence by way of surface ditches to where it will enter the main disturbed drainage culvert system. It will then report to the main sediment ponds.

### Recommendations

The operator has done a good and adequate job of designing and presenting the design of the proposed sediment traps. It is recommended that construction of the sediment trap system be allowed to proceed and that the revised text, map, and drawing be inserted into the Mining Plan.

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