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

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July 15, 1996

TO: File #2

THRU: Joe Helfrich, Permit Supervisor 

FROM: Steven M. Johnson, Reclamation Hydrologist 

RE: Drainage Amendment, Trail Mountain Mine, PacifiCorp, ACT/015/009-96C, File #2, Emery County, Utah

**SUMMARY:**

PacifiCorp has proposed drainage modification to the Trail Mountain Mine yard. The modifications include installation of a drop inlet into CMP #1 and a new CMP #4 with drop inlet. CMP #4 will discharge into CMP #1. A temporary culvert (CMP #5) will be installed to convey water generated at the transfer building.

**OPERATIONAL HYDROLOGY--DIVERSIONS**

Rr645-301-742-300.

**Analysis:**

The proposed drainages changes are all temporary and diverting of miscellaneous flow. The 10-year, 6-hour storm event is required by the regulations for their design. PacifiCorp has designed to culverts and inlets to convey the 100-year, 6-hour which is much more conservative. The culverts sizes chosen will pass the design storms will much space to spare.

**Findings:**

The operator has met the requirements of operational diversion design regulation in designing CMP #1, 4 and 5 for the 100-year, 6-hour storm event.



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July 15, 1996

**RECOMMENDATION:**

This amendment should be approved for construction.

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cc: Bill Malencik, DOGM (Price)