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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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June 10, 1997

TO: File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: Sharon Falvey, Reclamation Specialist *SF*

RE: Annual Report, Trail Mountain Mine, ACT/015/009, Folder #2, Emery County Utah.

## Summary

This memo summarizes the information provided in the Trail Mountain Mine annual report.

## Analysis

The permittee indicated in the Trail Mountain Mine annual report that climatologic data and all quarterly monitoring data are on file at the Division. In the plan, appendix 7-1 and section 7.1.7 indicate that the data will be summarized in the annual report. Cotton Wood Creek data, mine water data and spring data were found in the PacifiCorp East Mountain Property Report.

Mine water sump UG-3 located at the north west corner of the mined area is shown on plate 7-3. Flow data from in-mine monitoring site UG-3 was presented in graph form for 1993 through 1996. Flows decreased to approximately 5 gpm in June 1995 two increases in flow were reported with peaks December 1995 and in June of 1996 but returning to the 5 gpm rate in December 1996. This may suggest a quick localized connection with surface water.

In-mine monitoring at site UG-2 was terminated in 1995 due to decreased flow. Currently water produced in the mine flows to a sump located in 4th West. No water has been discharged from the mine since September of 1993. Water Quality data from T-18 (Oliphant Mine Discharge) was presented in appendix N. An increase from 0.15 gpm in September to 1.29 gpm in December of 1996 was reported.

Overall the data suggest a 51% decreased total flow from springs in July 1996 when compared with total flow from springs in July 1995.

1996 Annual Report

ACT/015/009

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### **Findings**

The submittal meets the minimum requirements for the annual report as it relates to water monitoring requirements, outlined in the request memo, to the best of this reviewers knowledge.

cc: Bill Malencik

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