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November 7, 1994

TO: Daron Haddock, Permit Supervisor

FROM: Steven M. Johnson, Reclamation Hydrologist *SMT*

RE: Draft Review, Permit Renewal, Trail Mountain Mine, PacifiCorp, ACT/015/009,
Working File, Emery County, Utah

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SYNOPSIS

PacifiCorp submitted revised Chapters 1 through 4 in their permit renewal package. Many revised pages showed updated information and showed changes in the permittee from the Beaver Creek Coal Company to PacifiCorp. This review looks at the revisions that pertain to the hydrology in the plan.

ANALYSIS

PacifiCorp revised the hydrology in sections 3.4.3.1 through 3.4.3.4. Section 3.4.3.1 has been updated to include information on the groundwater hydrology of the mine and surrounding area. Information changed includes geology, quantity and quality. PacifiCorp has made some generalized conclusions in this section without referencing the sources. Much of this information is restated from Chapter 7 and could be referred to that chapter. Information on the spring inventory has been removed from the Groundwater Quantity section and some information about water pumped from the mine has been removed from the Groundwater Quality section, but both should have been left in their respective sections.

Section 3.4.3.4 addresses the projected impacts of mining on the surface water hydrologic balance. Again, there are statements made in this section that are not referenced properly, whether from other parts of the plan or external sources. The entire section on surface-water quality has been removed. This section is important to the operational plan and should be left in the plan.

Deficiencies:

1. PacifiCorp should retain information about spring inventories, groundwater quality and surface-water quality in their respective sections.



2. PacifiCorp should reference information used to make conclusions about the hydrology, groundwater and surface-water.

RECOMMENDATION

This submittal should not be accepted as the renewal for the Trail Mountain Mine permit. PacifiCorp has deleted information from sections 3.4.3.1 and 3.4.3.4 regarding the groundwater quantity and quality, and surface-water quality. Other information in these sections has not been adequately referenced and is used for make judgement on the potential impacts to the hydrologic balance. PacifiCorp should retain information about spring inventories, groundwater quality and surface-water quality in their respective sections. PacifiCorp should reference information used to make conclusions about the hydrology, groundwater and surface-water.

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