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State of Utah
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June 27, 1997

TO: File #2

THRU: Daron Haddock, Permit Supervisor 

FROM: Steven M. Johnson, Reclamation Specialist 

RE: Separation Project, Cyprus Plateau Mining Corp, Willow Creek Mine, ACT/007/038-96F, File #2, Carbon County, Utah

SUMMARY:

In the spring of 1996 Cyprus Plateau Mining Company (CMPC) received permission to conduct mining activities for the Willow Creek Mine. Part of the permitted area included areas that are also permitted under the Castle Gate Mine plan. CMPC has requested that those dually permitted areas be eliminated from the Castle Gate permit and included fully in the Willow Creek documentation. This memorandum addresses a revision to the first amendment received June 12, 1997.

TECHNICAL ANALYSIS:

HYDROLOGIC RESOURCE INFORMATION

Regulatory Reference: R645-100-200, -301-724.

Analysis:

Probable Hydrologic Consequences Determination

The Probable Hydrologic Consequence determinations were developed separately between the Castle Gate and Willow Creek areas. The Willow Creek determination included facilities in the Castle Gate MRP.

Findings:

The environmental hydrologic resource information is complete, accurate and non-contradictory.

HYDROLOGIC OPERATIONAL INFORMATION

Regulatory Reference: R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Discharges into an Underground Mine

Gravity discharges are addressed on page 4.7-16 in section 4.7.2.5. In this section CMPC refers the reader to the Exhibit 19 of the Willow Creek MRP for information about injection wells.

Sedimentation Ponds

Pond 12B has designs are included in the Willow Creek Exhibit 13 dated October 1997. Conflicting designs and discussion for the same pond have been removed from the Castle Gate appendix (Exhibit 19).

Findings:

The operational hydrologic information is complete, accurate and non-contradictory.

HYDROLOGIC RECLAMATION INFORMATION

Regulatory Reference: R645-301-512, -301-513, -301-514, -301-515, -301-532, -301-533, -301-542, -301-723, -301-724, -301-725, -301-726, -301-728, -301-729, -301-731, -301-733, -301-742, -301-743, -301-750, -301-751, -301-760, -301-761.

Analysis:

This information is exclusive to individual areas. No contradictory information exists.

Findings:

Reclamation Hydrology is complete, accurate and non-contradictory.

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RECOMMENDATIONS:

Based on the hydrologic requirements, the proposed amendment to the Willow Creek MRP should be approved.

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