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DEPARTMENT OF NATURAL RESOURCES
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July 14, 1989

TO: Richard V. Smith, Permit Supervisor

FROM: Tom Munson, Reclamation Hydrologist *TM*

RE: Amendment for New Lands Break-Out Seal, Starpoint Mine, Cyprus-Plateau Mining Company, ACT/007/006-89F, Folder #2, Carbon County, Utah

Synopsis

A mitigation plan to discharge water intercepted in mine because of subsidence associated when mining under the North Fork of the Right Fork (NFRF) of Miller Creek was approved on January 11, 1989. The operator's submittal discusses the means by which this will occur. This submittal was received on July 3, 1989.

Analysis

Water from an in-mine sump will flow into a series of drill holes drilled into the rock at the end of an entry. Water from this sump then enters drill holes to the surface and filters out through the soil and rock into the stream channel. Water quality samples have been taken and the quality of water is as good or better when compared to baseline data from the NFRF of Miller Creek. An NPDES application was sent to State Health on July 13, 1989, per verbal communication with Ben Grimes on that same day, satisfying the PAP commitment on page 784.62E.

This is the only viable means of returning water to the stream currently available, and will protect water quality leaving the mine. Water quality samples have been taken and will be forwarded to the Division.

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Recommendation

This amendment be approved and inserted as is, in Exhibit 43. When the NPDES permit approval is received, it be forwarded to the Division for documentation. Furthermore, all water quality data must be sent to the Division, and this discharge point, if isolated in the stream channel, be included in future stream surveys and monitoring programs as a baseline monitoring point.

djh
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