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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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November 23, 1988

TO: John Whitehead, Permit Supervisor

FROM: Tom Munson, Reclamation Hydrologist *Tm*

RE: Water Quality Data Review, Cyprus-Plateau Mining Company, Star Point Mine, ACT/007/006, Folder #2, Carbon County, Utah

Synopsis

The second quarter water quality and quantity data for the Starpoint Mines was reviewed for completeness and consistency with their approved sampling plan from the original 1981 permit. Since April 15, 1987, the Division has been in the process of approving a revised monitoring program which brings the Starpoint Mines water monitoring program into compliance with the Division's water monitoring guidelines. Final approval of this revised parameter and frequency schedule, Table 80 and 81 of the current PAP, occurred on October 3, 1988. Plateau also has a pending amendment to delete a large number of parameters from their current approved plan revised on July 20, 1988 and approved on October 3, 1988. Cyprus-Plateau will also be adding springs 492 and 971 to their list of stations, and deleting spring 494 from water quality not quantity data collection based on a recent U.S. Forest Service review.

Analysis

The following stations were reviewed: 86-35-2-3; 85-35-1, S18-2, 10-1, 500, 238, 494, 751, 85-26-1, and 34-2. Dissolved Manganese was missed on every station per the requirements of Table 3-7, page 3-80 from the original approved plan. Per the requirements of the October 3, 1988 approved plan, Dissolved Manganese, Dissolved Oxygen, Total Hardness, and Cation-Anion Balance were missed on most stations. In

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addition to the missing parameters, the following parameters were monitored when they were not required per the October 3, 1988 approved plan: Acidity, Alkalinity, Hydroxide, SAR, Total Suspended Solids, Settleable Solids, and Phosphate.

It has been extremely confusing and a great deal of work to try and correlate what parameter list applies to what station. Although the Division has reviewed these selected stations by both old plan and new plan, it appears that by either plan the operator has failed to meet the complete requirements regarding sampling of the necessary parameters.

Recommendation

The operator must apply the most recent sampling parameter list approved on October 3, 1988 from this date on, or enforcement action will become necessary.

djh
AT5/51-52