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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

ACT/007/006
file #2
Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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April 6, 1988

TO: John Whitehead, Permit Supervisor

FROM: Brent Stettler, Reclamation Biologist *Brent*

RE: Division of Wildlife Resources Letter of April 1, 1988, Regarding Mitigation of Impacts to Water Sources by the Star Point Mine, Cyprus-Plateau Mining Corporation, ACT/007/006, Folder #2, Carbon County, Utah

In order to determine whether or not water impacts had occurred or were expected to occur, I reviewed the Star Point Mine permit, Volume 1, Operation and Reclamation Plan. I also read Kathy Mutz' technical analysis in the State Decision Package of August 1987.

The following were references from the PAP with respect to water source monitoring and impact mitigation:

Page 784-145, 145d, 145e, and 145F - Eight sediment ponds are in place and are presently used by wildlife. Testing has documented acceptable water quality for wildlife and livestock.

Page 784-145a - Regular water monitoring is conducted on the right fork of Miller Creek below the subsidence zone.

Page 784-145a1 - Plateau Mining Corporation (PMC) declares that mine water discharge will replace possible water lost from Miller Canyon.

Page 784-145a1 - 145a2 - PMC pledges mitigation if water quality or quantity are affected by mining in Miller Creek or Tie Fork Creek.

Page 784-145c - A guzzler was installed as partial mitigation for a refuse expansion area.

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Page 784-145f, 145g - PMC commits to mitigation of impacts to water quality and quantity. Mitigation will include spring development or guzzler installation. Final reclamation calls for the retention of sediment ponds as permanent water sources.

Page 784-146, 146a - Regular inspections will be made at Mud Water Canyon Fan and Corner Canyon Fan to insure that possible riparian zones are not harmed.

Page 784-146a - Water monitoring stations are in place downstream from disturbance on Mud Water Creek and Corner Canyon Creek.

Page 784-147 - PMC established a buffer zone around the Corner Canyon breakout.

The following were references from Kathy Mutz' technical analysis:

UMC 817.57 Hydrologic Balance: Stream Buffer Zones-(KMM) - Kathy reports that mining activity has not and is not expected to disturb land within 100 feet of a perennial or intermittent stream. Kathy notes that the applicant is committed to mitigating impacts to water quality and quantity that may affect wildlife. No stipulations were attached.

UMC 817.97 Protection of Fish, Wildlife and Related Environmental Values-(KMM) - Kathy states that PMC will continue studies, such as water quality and quantity monitoring, to identify impacts on wildlife. No stipulations were attached.

djh
Attachment(s)
1369R/19