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Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

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July 10, 1980

Mr. David Chenoweth
Environmental Services
ARCO Coal Company
555 17th Street
P.O. Box 5300
Denver, Colorado 80217

RE: Fish and Wildlife Consultation
Pursuant to UMC 783.20
Huntington #4 Mine
ACT/015/004

Dear Mr. Chenoweth:

Enclosed are the guidelines which were compiled by the Division of Oil, Gas and Mining as a result of the consultation with the agencies having jurisdiction over fish and wildlife and habitat in the mine plan area. Please be reminded of the requirements of UMC 771.23(c) when writing your permit application.

Enclosed for your use and preparation of the Fish and Wildlife Plan for Part UMC 784.21 and for compliance with performance Standard UMC 817.97(c) are the Guidelines for the design and construction of electric power lines.

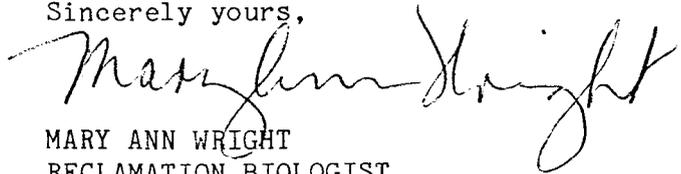
Beaver Creek Coal Company should provide a plan for minimizing impacts and disturbances to fish and wildlife, utilizing impact control measures, management techniques and monitoring methods for the protection of riparian areas (UMC 784.21). Beaver Creek Coal Company is also obligated to locate and operate haul and access roads so as to avoid or minimize impacts to important fish and wildlife (UMC 817.97(d)(1)). Therefore, Beaver Creek Coal Company

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should address, in the fish and wildlife plan section of the permit application, plans to remove snow from the road in such a way so as to prevent a transfer of sediment into Mill Creek. The Division feels that all other aspects and means of haul road maintenance and stream protection have been adequately addressed in Exhibit #47 and in the response to Special Stipulation #19 of May 12, 1980.

Should any questions arise concerning these matters, please call me.

Sincerely yours,



MARY ANN WRIGHT
RECLAMATION BIOLOGIST

MAW/te
Enc: Guidelines
cc: Division of Wildlife Resources
Clark Johnson, U.S.F. & W.S.
Shirley Lindsay, O.S.M.
Reed Christensen,
Manti-LaSal National Forest
Dan Guy

Huntington #4
ACT/015/004
Beaver Creek Coal Company

Guidelines for Fish and Wilflife and Habitat
Information Pursuant to UMC 783.20

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Aquatic Studies

1. Biological Community Survey - UMC 817.57.

Area: Any streams to be impacted by development of surface operations within 100 feet of the streams. Specifically, Mill Fork will need to be studied.

Time: Spring, Summer.

Purpose: Determine the presence or absence of any "biological communities", as defined in UMC 817.57 for the designation of buffer zones. The Division can make this determination upon request.

2. Fish Study

Area: Mill Fork.

Time: N/A

Purpose: Identify from existing data the potential occurrence, relative abundance, status, populations trend and preferred habitat. If fish occur in Mill Fork, then this information should be presented in the mine plan. If fish do not occur in Mill Fork, then this creek should be discussed in the mine plan in relation to its importance to a downstream fishery in Huntington Creek.

3. Water Quality Survey

Area: All present water monitoring stations for the Huntington #4 Mine.

Time: The present water monitoring schedule.

Purpose: When submitting water monitoring results to the Division please submit them to the attention of both the Division Hydrologist and Biologist.

Terrestrial Studies

1. Raptor Survey

Area: The permit area plus a zone of 1 km. radius surrounding the site.

Time: March through June.

Purpose: Assess occurence and location of any raptor breeding sites.

2. Migratory Birds of High Federal Interest Survey

Area: The permit area plus a zone of 1 km. radius surrounding the site.

Time: Spring and summer.

Purpose: To assess the presence and degree of use by these species. Provide data as to the occurrence, abundance and habitat in the area described above for the band-tailed pigeon, Pileated woodpecker, Williamson's Sapsucker, Lewis' Woodpecker, Western Bluebird, Grace's, Warbler, and Scott's Oriole. The Utah Division of Wildlife Resources Office in Price may have some information concerning these species.

3. Upland Game Birds Survey

Area: The permit area plus a zone of 1 km. radius surrounding the site.

Time: Early spring and summer.

Purpose: To assess the presence and degree of use by upland game birds in the permit area. Provide data as to the occurrence, abundance and existence of special habitats in these areas for upland ground birds. The Utah Division of Wildlife Resources Office in Price may have information concerning these species.

4. Federally Listed Threatened or Endangered Species Survey

Area: The permit area plus a zone of 1 km. radius surrounding the site.

Time: N/A.

Purpose: To assess the occurrence of the Bald Eagle and the Peregrine Falcon on the mine plan area. Provide a positive or negative determination as to the occurrence of these species on the mine plan area. Some information from the Utah Division of Wildlife Resources Office in Price should be available for these species.

5. Survey of All Other Vertebrates--Amphibians, Reptiles, Birds and Mammals

Area: The mine plan area.

Time: N/A.

Purpose: Provide data on presence, status, relative abundance, population trend and preferred habitat type for all species inhabiting the mine plan area. Present habitat preference information to correlate with data collection from habitat (vegetation) studies. A great deal of data has been collected by the Utah Division of Wildlife Resources Office in Price. Access to the Utah Division of Wildlife Resources data files in Price should be requested formerly of Mr. Larry Wilson, Supervisor of the Southeastern Region.

6. Habitat Survey

Area: Mine Plan Area. The company should assess wildlife habitat on the mine plan area with more detail for the areas to be disturbed as set forth in the Division of Oil, Gas and Mining Vegetation Guidelines of June 6, 1980.

Time: Spring, Summer and Fall. This study should assess year-round habitats for wildlife. Vegetation studies should be conducted throughout the summer.

Purpose: To assess the condition, trend and types of habitat within the mine plan area. In the course of other field studies, areas of special use for wildlife, such as heavily used riparian areas, large mammals dens and snake dens, should be noted and mapped. Aquatic areas which occur within the permit area such as seeps, springs, streams, ponds, and reservoirs should be noted and their importance to wildlife discussed.

July 15, 1980