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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 31, 1987

Ms. Barbara Filas
Summit Minerals, Inc.
221 West 2100 South
Salt Lake City, Utah 84115

Dear Ms. Filas:

Re: Fish and Wildlife Information Guidelines, Summit Minerals #1 Mine, PRO/043/001.1 Folder No. 2, Summit County, Utah

This letter constitutes the Division's formal guideline for preparing fish and wildlife information and a fish and wildlife plan for the proposed Summit Minerals #1 Mine pursuant to UMC 783.20 and UMC 784.21. This guideline is a result of consultation between the Division, Summit Minerals, Inc., and state and federal fish and wildlife agencies; including an onsite inspection of the proposed mine site on March 5, 1987. Enclosed for your information and files is a copy of the written comments received from the UDWR.

1. General Fish and Wildlife Information

Results of low level fish and wildlife studies were provided to Summit Minerals in preparing the current Reclamation Plan on file. This information needs to be incorporated into the Mining and Reclamation Plan (MRP).

2. Aquatic Studies

Current information is adequate to assess the aquatic impacts of the proposed operation. Additional aquatic studies will not be required at this time since no additional disturbance will occur to aquatic environments. If Summit Minerals decides to move the location of the access road and bridge over Chalk Creek, the need for additional aquatic studies will be re-assessed.

3. Amphibian & Reptilian Studies

Current information is adequate to assess the impacts of the proposed operation. No additional amphibian or reptilian studies are needed at this time.

4. Avian Studies

Current information is adequate to assess the impacts of the proposed operation. However, should the access road location be moved, a raptor survey of the riparian zone along Chalk Creek for a distance of 1/2 mile on either side of the new location would need to be conducted during the spring season prior to construction. Construction activities may be limited during certain seasons of the year.

5. Mammalian Studies

Current information is adequate to assess the impacts of the proposed operation. No additional mammalian studies will be required for the proposed permit.

6. Threatened and Endangered (Plant and Animal) Studies

Current information is adequate to assess the impacts of the proposed operation. No additional threatened and endangered plant and animal species surveys are needed for the proposed operation.

7. Maps

A fish and wildlife map will be required for the permit area which shows:

- a. high priority or critical habitat or use areas for high interest species (i.e. big game species, T & E species, etc);
- b. any raptor nests (and status) that are within 1/2 mile or line of site, whichever is less, of proposed operation;
- c. location of unique habitat features, such as seeps, springs, raptor-supporting cliffs, roost trees, dens, calving/fawning areas, etc.

8. Fish & Wildlife Plan

At a minimum, the fish and wildlife plan will need to:

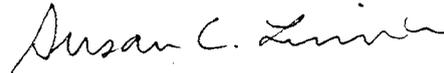
- a. assess the impacts of the proposed mining and reclamation activities on fish, wildlife and related environmental values;

Page 3
Ms. Barbara Filas
PRO/043/010
March 31, 1987

- b. discuss how the plan will minimize disturbances and adverse impacts, and include impact control measures, management techniques and monitoring to protect or enhance important fish, wildlife or habitat values;
- c. show how compliance with UMC 817.97 will be achieved, and
- d. provide for an employee wildlife education/awareness training program.

Should you have any questions regarding these guidelines, please don't hesitate to call myself or Lynn Kunzler.

Sincerely,



Susan C. Linner
Reclamation Biologist/
Permit Supervisor

jvb
Enclosure
cc: R. Harden
L. Kunzler
0463R-60



STATE OF UTAH
NATURAL RESOURCES
Wildlife Resources

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
William H. Geer, Division Director

Northern Region • 515 East 5300 South • Ogden, UT 84405-4599 • 801-479-5143

10 March 1987

RECEIVED
MAR 18 1987

Mr. Linn Kunzler, Reclamation Spec.
Division of Oil, Gas & Mining
355 West North Temple
Triad Center, Suite 350
Salt Lake City, Utah 84180

DIVISION OF
OIL, GAS & MINING

Dear Linn:

Based on our field tour of the Black Hawk Coal Mine site near, Upton, Summit County on March 5, 1987, I have formulated the following wildlife issues and concerns which need to be addressed in the mining permit:

1. I have no objections with the existing sedimentation pond located within the flood plain. However, the wash leading into the pond needs to be stabilized to control gully washing. Any B.M.P. would be adequate with me.
2. Revegetation of all disturbance sites should involve a seed mixture consisting of forbs and browse - not just grasses.
3. I think impacts to big game will be minimal with the proposed project. However, I think it would be good to show employees the "wildlife-mining" film annually at the mine safety meeting. If deer-haul truck accidents increase significantly, we feel reflective roadside mirrors should be installed along high impact areas.

Appreciate all your cooperation in scheduling the field tour. If you have additional questions, please notify our Ogden office (801) 479-5143.

Sincerely,

A handwritten signature in cursive script that reads "George".

George Wilson
Reg. Resource Analyst

GWW/ss