



United States Department of the Interior  
OFFICE OF SURFACE MINING  
Reclamation and Enforcement

[REDACTED]  
DENVER, COLORADO 80202

Brooks Towers  
1020-15th Street

Route & file  
in Eureka  
R JWS  
XMY  
SS

DEC 6 1979

Mary Ann Wright  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Dear Mary:

Acting upon your request, OSM personnel have reviewed Eureka Energy's proposed outline of Environmental Resources Information required in 30 CFR 783 of the Permanent Regulatory Program. The following information should be discussed by Eureka Energy in the mine plan application to be submitted at a later date.

1. 783.12 - Archeology - Underground Mines - It is required that an intensive (100% coverage of the entire permit area and adjacent areas) archeological survey be completed and approved prior to any disturbance.
2. 783.16 - Surface Water Information - Assume that discharge data presented will include minimum, maximum, and average flows which identify critical low flows and peak discharge rates of streams sufficient to identify seasonal variations. What other parameters are sampled in water quality program? Program must include:
  1. TDS
  2. TSS
  3. Acidity
  4. Total and Dissolved Iron (mg/L).
  5. Total Manganese (mg/L).
3. 783.19 - Vegetation - The methods to be used in determining identified sections in proposal should be addressed in mine plan application. Example, will aerial photos be used in locating reference areas?
4. 783.20 - Wildlife concerns for baseline information have been discussed in correspondence and verbal conversations with Division of Oil, Gas and Mining. I would suggest that the U.S. Fish and Wildlife Service be contacted for input into this section.

**RECEIVED**

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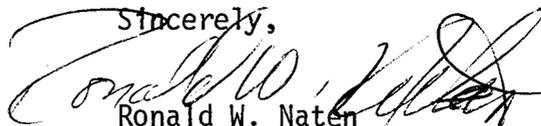
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5. 783.21 - Soils - Assume that as part of Order II and III surveys that the following information will be submitted.
  - a. Narrative mapping unit descriptions.
  - b. Soil profile description of a typical soil of the area.
  - c. Chemical analysis of typical soil profiles.
  - d. Soil productivity of series listed.
  - e. Available topsoil and topsoil suitability for reclamation purposes.

If there are any questions don't hesitate to contact me.

Sincerely,



Ronald W. Naten  
Wildlife Biologist