



1407 West North Temple  
P.O. Box 899  
Salt Lake City, Utah 84110

October 28, 1988

**RECEIVED**  
OCT 31 1988

Mr. John Whitehead, Permit Supervisor  
Division of Oil, Gas & Mining  
State of Utah  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

Re: Response to Condition No. 6 (UMC 817.50)  
Deer Creek Mine Permit

Dear Mr. Whitehead:

Monitoring experience in previously mined out areas in the Cottonwood/Wilberg and Deer Creek Mines shows inflow into the old mine workings is absorbed by surrounding strata. This information has been provided to the Division in the yearly "Annual Hydrologic Monitoring Reports". From this data it is expected that the total flow from post-mine discharges will be 5% to 10% of flow into the mine. This means that total post-mine outflow is expected to be 75 to 100 gpm.

Quality of discharged water is expected to be the historical mean as shown on Table 26 Page 54 of the "1988 Annual Hydrologic Monitoring Report". Based on current knowledge of the Deer Creek Mine it is expected that post-mine discharges will occur in the Rilda and Meetinghouse Canyon areas at a 60-40% of total discharge respectively.

Historical mean discharge quality indicates no environmental degradation to Huntington Creek. It is planned to continue monitoring and study of hydrologic impacts to the groundwater of the Deer Creek Mine. This information will be provided to the Division as obtained.

Sincerely,

A handwritten signature in cursive script, appearing to read "David Smaldone".

David Smaldone  
Director of Permitting,  
Compliance & Services  
Mining Division

DS:bb:6103