

0019



*fill original  
Copy to Mike  
ACT/015/018 B*

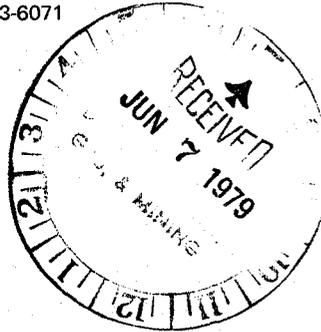
STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER RIGHTS

DEE C. HANSEN  
STATE ENGINEER  
EARL M. STAKER  
DEPUTY

200 EMPIRE BUILDING  
231 EAST 400 SOUTH  
SALT LAKE CITY, UTAH 84111  
(801) 533-6071

DIRECTING ENGINEERS  
HAROLD D. DONALDSON  
DONALD C. NORSETH  
STANLEY GREEN  
ROBERT L. MORGAN

June 5, 1979



Mr. Ron Daniels  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Subject: Regarding sediment pond design and specifications for the Willberg Mine

Dear Ron:

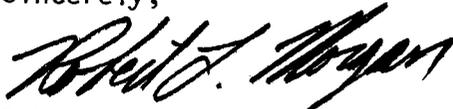
I have reviewed plans and specifications for the above mentioned project and offer the following comments:

1. Because of the height of the structure, it will be required that the State Engineer sign the cover page of the construction drawings.
2. The engineer has specified the use of "fabriform" as a pond liner. This office does not have manufacturer's information concerning this product and at this time I would question its use without backup data.
3. The specifications indicate that the soil and concrete tests will be performed by the owner. I would recommend that a private testing concern or the engineer be involved with this testing.
4. I did not receive a copy of drawing #7704-C128. This drawing contains the gradation curves for the materials to be used in the embankment.
5. The design does not reflect any cutoff collars around the outlet pipes. The failure at This is the Place Monument was a result of piping around an outlet such as this that did not have collars similar to this.

June 5, 1979  
Mr. Ron Daniels  
Page 2

6. Slope protection is specified on the downstream slope, but no data has been supplied to indicate material characteristics of this protection.
7. I would also request data concerning the soil properties and the bearing capacities.
8. The owner-operator should be aware that there are two existing certificated Application to Appropriate on Grimes Wash. The operation of the sediment ponds should not interfere with these existing water rights.

Sincerely,



Robert L. Morgan

RM:ch

cc: Utah Power and Light, Attention John Kunz  
Roberts and Schaefer Company