



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 18, 1983

Utah Power & Light Company
1407 West North Temple Street
P.O. Box 899
Salt Lake City, Utah 84110

RE: Request for Additional
Information Concerning Abatement
Plans of NOV 83-4-1-1
Deer Creek Mine
ACT/015/018-~~A~~
Folders 3 & 7
Emery County, Utah

Dear Mr. Shingleton:

The plans submitted to the Division on March 4, 1983 do not adequately address all the hydrological calculations and concerns. The following information is requested by the Division to adequately address all our concerns. They are as follows:

1. What is the design of the Inlet for Undisturbed Runoff?
2. What is the contributing area to the Drop Inlet and how do your calculations take into account runoff from any additional area between the earth berm and the road. What is the acreage of this area?
3. Sizing calculations are needed for the rip-rap to show that is adequate to prevent erosion from expected velocities.
4. How does the 24" culvert handle a 90° change of direction without causing erosion of the earth berm. What are the design calculations for this culvert?
5. How will runoff be prevented from crossing the road over the 24" culvert?

Utah Power & Light Company
ACT/015/018-A
March 18, 1983
Page 2

6. Will rip-rap be placed at the outlet of the 24" culvert before the pond?
7. What is the area contributing drainage to the pond, and how often will the straw bales be maintained? Where are the design calculations to prove that the pond is adequately sized and appropriately designed?
8. The depression with a straw bale check dam has how many acres contributing to it?

Please address these issues as quickly as possible, so the Division can continue with its review. If you have any questions, please contact me.

Sincerely,

Thomas Munson

THOMAS L. MUNSON
RECLAMATION HYDROLOGIST

TLM/lm

cc: Joe Helfrich, DOGM
Dave Lof, DOGM
Mary Boucek, DOGM
Allen Klein, OSM