0008

NOT/007/006

JWS

PLATEAU MINING COMPANY

A SUBSIDIARY OF UNITED NUCLEAR CORPORATION
Producers & Sellers of Utah Low Sulphur Coal
P. O. Drawer P M C Price, Utah 84501
Phone 637-2875

Route
KMP

April 27, 1978

RECEIVED
APR 28 1978
DIVISION OF OIL, GAS, & MINING

Mr. Mike Thompson
Division of Oil, Gas & Mining
State of Utah
1588 West North Temple
Salt Lake City, UT 84116

Dear Mr. Thompson:

Per your request we are supplying you with the volumetric data for our proposed sedimentation pond and dam.

The design criteria used comes from the guidelines in Engineering and Design Manual - Coal Refuse Disposal Facilities, U.S. Dept. of the Interior, Mining Enforcement and Safety Administration.

The total volume of 27.5 acre-feet is the resultant of the following input data:

1) 1.89 inches of rainfall as result of a 50 year, 6 hour event. As there is no recording station at Wattis, the event used is that of Hiawatha. Hiawatha is located approximately five miles south of Wattis and is at about the same elevation. This event is based on "Estimated Return Periods For Short-Duration Precipitation in Utah" by E. Arlo Richardson (1971).

2) 873 acres of surface area in the affected drainage.

3) 0.20 used as a runoff coefficient.

873 acres
x 0.1575 ft. of precipitation
x 0.20 runoff coefficient = 27.5 acre feet.

The above data may change somewhat upon our receipt of expected

information from the State Engineer's office.

If we can be of any help and/or supply you with any additional information, do not hesitate to contact us.

Sincerely,

PLATEAU MINING COMPANY

Mark L. Adkins

Mark L. Adkins
Geologist

/aj