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Scott M. Matheson
Governor



STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
Utah Water Pollution Control Committee

150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

RECEIVED

SEP 27 1984

DIVISION OF OIL
GAS & MINING

September 26, 1984

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Plateau Mining Company
P.O. Drawer PMC
Price, UT 84501

RE: Treatment of Underflow from
thickener tank using settling ponds

Gentlemen:

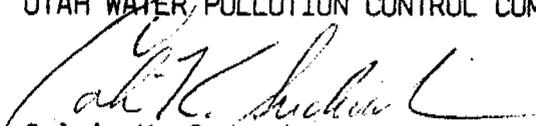
The Bureau of Water Pollution Control has completed review of the design report prepared by Vaughn Hansen Associates, Inc. for Plateau Mining Company concerning the above referenced project. The design for the proposed settling ponds appears to conform to the Utah Code of Waste Disposal Regulations. Therefore, a Construction Permit as constituted by this letter is hereby issued.

We understand this project to include the construction of two treatment ponds having a volume of 1.5 acre-feet with a maximum water depth of 10 feet and a minimum freeboard of 2 feet. The ponds will be able to receive approximately 30,000 gallons of water per day with a suspended solids concentration of a maximum of 300,000 mg/l. The dike interior slopes will be constructed at approximately 3:1 (H:V) to prevent erosion. The ponds will be lined with compacted clay approximately 2 feet in thickness and a concrete access ramp will be provided to maintain the integrity of the dike side slopes during cleaning. The pond currently in use will be taken out of service for cleaning when approximately 1 acre-foot of solids has accumulated. The out of service pond will be put into service with the rotation cycle between ponds approximately 50 days. The discharged water from the treatment ponds will be stored in an open reservoir until makeup water is required at the coal preparation plant. No wastewater will be discharged from the storage reservoir into any water of the state. The reservoir capacity will be approximately 0.37 acre-feet and is equivalent to a 4 day water storage volume. The dike side slopes and lining of the storage reservoir is similar to the proposed treatment ponds.

If you have any questions feel free to contact Roger Bishop of this office.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE


Calvin K. Sudweeks
Executive Secretary
Bureau of Water Pollution Control

DRB:dm

cc: Oil Gas and Mining ✓
Marv Allen, Vaughn Hansen Associates, Inc.