ACT/035/002 Rec'd 4-17-84

To Wayne
File
Bingham Canyon Min

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

Calvin K. Sudweeks
Executive Secretary
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Governor

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April 13, 1984

JIM
APR 19 1984

Robert A. Malone
Director of Environmental Affairs
Kennecott
10 East South Temple
P.O. Box 11248
Salt Lake City, UT 84147

RE: Kennecott Settling Basin Approval

Dear Mr. Malone:

We have reviewed the plans and supporting information regarding the new Kennecott settling basin near the Bingham City Cemetery and the discharge to Bingham Creek. Plans UD-2002-D through UD 2008-D and supporting information submitted February 10, 27 and March 15, 1984 were reviewed.

As a result of our review the plans for the emergency use of the new 20 acre settling basin and discharge are approved provided the following conditions are met.

1. A satisfactory oil skimming device must be installed on the pond outlet.

2. The water must be contained in an acceptable manner on Kennecott property if the lowest outlet is used to drain the pond.

3. Additional pond sealing must be provided if there is excessive seepage of water which would adversely affect the groundwater.

4. A monthly report must be submitted to this office to include data on flow rate and weekly pH, total suspended solids, total dissolved solids, copper, cadmium, lead, mercury, zinc and arsenic.

The twenty acre pond is for the emergency treatment of mine and north ore chute water. The dikes are designed to have an inside slope of three horizontal to one vertical with a 20 foot wide crest. The 2,500 gpm of water is to be lime treated and settled so that it complies with all state and federal effluent standards. After treatment the water is to flow in an existing Kennecott pipeline to Bingham Creek at the North Jordan canal. Additional treatment must be provided if the discharge fails to meet existing effluent and water quality standards.

We also request that Kennecott provide us with pump, pipeline and pond lining information on the additional pond revisions at the existing evaporation pond site.

Sincerely,

UTAH ~~WATER~~ POLLUTION CONTROL COMMITTEE

Calvin K. Sudweeks
Executive Secretary

SRM:lt

cc: Steve Taylor, Kennecott
Division of Oil, Gas and Mining
Salt Lake City/County Health Department
EPA, Denver, Rob Walline
State Engineers Office, Bob Morgan

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