



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

4601 N Monroe Street • Spokane, Washington 99205-1295 • (509)329-3400

January 25, 2017

Mr. Mark N. Ioli
Vice President and General Manager
Echo Bay Minerals Company
363 Fish Hatchery Road
Republic, WA 99166

RE: Correction to Echo Bay Minerals State Waste Discharge Permit No. ST0008033

Dear Mr. Ioli:

The Department of Ecology corrected a typographical error in Echo Bay Minerals State Waste Discharge permit No. ST0008033. The change is on page 19. The following correction was made:

1. Under Section S7, the design criteria listed for the Key Mill Underdrain was an error and did not match the design criteria mentioned in the fact sheet. The design criteria was corrected from 14,000 gpd to 14,400 gpd.

The corrected pages are enclosed. Please replace the current pages with the corrected versions. Since it is not a major change, we are correcting the permit and no public comment period is necessary.

Please contact Pat Hallinan (permit manager) at (509) 329-3500 or by email at phal461@ecy.wa.gov if you have any questions or concerns.

Sincerely,

Shara Joy
Water Quality Program

Certified Mail 7015 1520 0000 8727 8078

SJ:sj

Enclosure

cc: Kyle Hawkins, Echo Bay Minerals Company
Shannon Daugherty, Echo Bay Minerals Company
Gina Myers, Echo Bay Minerals Company
Mailing List
Pat Hallinan, Ecology/Eastern Region



The Permittee must apply for a permit or permit modification as may be required for such discharges to state ground or surface waters unless specifically authorized discharge to groundwater by Section S1.A of this permit.

S5.C. Solid waste control plan

The Permittee must submit all proposed revisions or modifications to the solid waste control plan to Ecology for review and approval at least 30 days prior to implementation. Once approved, the Permittee must comply with any plan modifications. The Permittee must submit an update of the solid waste control plan **by April 30, 2019**. The Permittee must submit a paper copy and submit the report online through the WQWebPortal.

S6. Application for permit renewal or modification for facility changes

The Permittee must submit an application for renewal of this permit **by April 30, 2019**. The application must be submitted online through the WQWebPortal.

The Permittee must also submit a new application or supplement at least sixty (60) days prior to commencement of discharges, resulting from the activities listed below, which may result in permit violations. These activities include any facility expansions, production increases, or other planned changes, such as process modifications, in the permitted facility.

S7. Design criteria for Key Mill underdrain water treatment system

The flows or waste loads for the Key Mill underdrain water treatment system must not exceed the following design criteria:

Monthly Average Flow	14,400 gpd
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Ecology does not consider excess flows caused by spring runoff or high precipitation events as an exceedance of the above design criteria. When spring runoff or high precipitation events cause flows to exceed the above design criteria, the Permittee may bypass the underdrain water treatment system and divert this excess water to ground; as long as the conductivity of the diverted water is at or below 750 $\mu\text{mhos/cm}$.

S8. Closure requirements/reclamation plan update

S8.A. Reclamation Plan Update

By May 25, 2016, the Permittee must update the reclamation plan and costs, for Ecology review and approval, for the closure and reclamation of the tailings pond disposal system.

S8.B. Reclamation Requirements

- a. The Permittee must notify Ecology in writing of all permanent or temporary closures of: (1) any of the mines, or (2) the ore-processing facility.

This notification must be received by Ecology at least sixty (60) calendar days prior to actual permanent or temporary closure.

Sixty (60) calendar days prior to start-up of operations after any temporary closure, the Permittee must notify Ecology in writing of its intent to resume operations and describe the nature and extent of its planned renewed operations.

Permanent closure is defined as: (a) the Permittee's final shut-down of any of the mines or of the ore-processing facility such that no future mining or ore-processing activities are planned by the Permittee or its successors or related entities at the mine or mines or the ore-processing facility other than final closure and reclamation, or (b) a temporary closure of any of the mines or of the ore-processing facility that has continued for seven continuous years from the date that notice is required to be given to Ecology under the immediately preceding paragraph.

Temporary closure is defined as any shut-down of any of the mines or of the ore-processing facility less than permanent closure.

Unless authorized in writing by Ecology, a temporary closure may not continue for more than seven (7) years after the date that notification is required to be given to Ecology as described above, without being deemed a permanent closure and triggering the Permittee's obligation to carry out final reclamation as required under Special Condition S4.B.3 below.

- b. During any temporary closure, the Permittee must continue the complete surface and groundwater quality monitoring as required in Special Condition S8.
- c. Upon permanent closure of any of the mines and/or of the ore-processing facility, the Permittee must expeditiously carry out the approved Reclamation Plan. Permanent closure of less than the entire project operation requires that the Permittee proceed with that part of the Reclamation Plan applicable to the permanently closed operation(s).
- d. The Permittee must maintain with Ecology a good and sufficient corporate surety bond or provide other security satisfactory to Ecology (hereinafter referred to as "Bond"), which secures the full performance by the Permittee of all terms and conditions of the Reclamation Plan to be performed by the Permittee, including, but not limited to, the payment by the Permittee of all amounts now or hereafter due and payable to Ecology. The Bond must be in a form and issued by a surety company or bank acceptable to Ecology. The amount of the Bond may be adjusted by Ecology at permit renewal, provided, however, that in the event that a new or modified Bond may be required by Ecology, it must be delivered to Ecology not less than thirty (30) calendar days following any adjustment by Ecology of the amount of the Bond.