



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
MARQUETTE DISTRICT OFFICE



PHILLIP D. ROOS
DIRECTOR

June 17, 2024

VIA EMAIL

Jennifer Nutini, Environmental Superintendent
Eagle Mine LLC
4547 County Road 601
Champion, Michigan 49814

Dear Jennifer Nutini:

Subject: Humboldt Mill Minig Permit Amendment Approval, MP 01 2010

The Department of Environment, Great Lakes, and Energy (EGLE), Oil, Gas and Minerals Division (OGMD), has completed review of Eagle Mine LLC's (Eagle) amendment request dated May 7, 2024, for additional processing of tailings producing a pyrrhotite concentrate. This letter serves as notification that EGLE has determined that the request to amend the mine plan does not constitute a significant change from the conditions of the approved mining permit, MP 01 2010, issued under Part 632, Nonferrous Metallic Mineral Mining, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), and promulgated rules (Part 632). EGLE has provided enclosed written notice of this determination to Humboldt Township, Michigamme Township, Powell Township, Marquette County, and federally recognized tribes.

EGLE has published notice of this determination in The Mining Journal on June 15, 2024. As stipulated in Section 63207(6) of Part 632, EGLE shall approve the amendment request within 14 days after publication of notice. Therefore, this letter also serves as notification of approval of the amendment request is in effect June 29, 2024.

The following items provide clarification of the requirements and mining permit conditions applicable to new mining activities approved in the amendment request:

1. Special Permit Conditions (SPC) E7,8,9,10 of Mining Permit MP 01 2010 shall apply to the pyrrhotite concentrate transported and stored within the mining area. Eagle shall notify OGMD if concentrate will be transported off-site by means other than rail. If not dewatered as a product to be transported off-site, pyrrhotite concentrate shall be conveyed and disposed of in the HTDF as proposed in the amendment request and in accordance with SPC E12.
2. Desulfurized/dewatered tailings shall be temporarily stored in the tailings dewatering and load-out facility or transported to the HTDF for subaqueous disposal in accordance with General Permit Condition E3, SPC E12, and SPC K19.

3. Only tailings from the pyrrhotite removal process shall be transported to, and dewatered and temporarily stored in, the tailings dewatering and load-out facility.
4. Storage of tailings falls under the definition of a mining activity. Therefore, compliance monitoring well KMW-5R shall be used to meet the requirements of R425.406 (b) of Part 632 promulgated rules for groundwater monitoring.
5. Contact water from the tailings dewatering and load-out facility shall be managed as proposed in the amendment request and in accordance with SPC E2.
6. New areas where mining activities will occur, including the tailings dewatering and load-out facility, shall be reclaimed in accordance with the approved reclamation plan and conditions of Section N of MP 01 2010.
7. Financial assurance cost estimates shall be updated as required by R425.308 of Part 632 promulgated rules to include reclamation of areas where new mining activities will occur.
8. Chemical reagents used for processing shall be stored in secure locations with secondary containment as required by SPC E11 and H3. Eagle shall review the Pollution Incident Prevention Plan for Humboldt Mill for compliance with Part 5 administrative rules pursuant to Part 31 of NREPA and shall notify EGLE of any necessary updates to the plan and provide recertification per SPC B8.
9. Dewatered tailings shall not be transported to Eagle Mine unless approved through an amendment of Mining Permit MP 01 2007.
10. Approval of this amendment request does not relieve Eagle of other EGLE permitting requirements and approvals.

Thank you for your attention in this regard. Please direct any questions to Melanie Humphrey, OGMD Mining Specialist, email humphreym@michigan.gov and telephone number 906-250-7564.

Sincerely,



Adam Wygant, Director
Oil, Gas, and Minerals Division
517-897-4828

cc: Mark Snow, EGLE
Jolene Melchiori, EGLE
Melanie Humphrey, EGLE