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GOVERNOR

STATE OF MICHIGAN

DEPARTMENT OF NATURAL RESOURCES

LANSING



REBECCA A. HUMPHRIES
DIRECTOR

December 11, 2007

Resubmitted: January 15, 2008
Updated: January 28, 2008

TO: Rebecca A. Humphries, Director

Information: Natural Resources Commission (NRC)

Transaction: One Mining and Reclamation Plan pursuant to Metallic Mineral Lease M602 in Marquette County; Executive Summary and additional related documents are located at http://www.michigan.gov/dnr/0,1607,7-153-10368_11800-161951--,00.html.

Authority: Part 5, Department of Natural Resources, Section 502(3), of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

Applicant: Kennecott Eagle Minerals Company (Kennecott), Marquette, Michigan.

Jurisdiction: Department of Natural Resources (DNR) State Mineral Ownership at ore body.

Surface Description: Ore body lies in the NE ¼ of SE ¼ of NW ¼ and the SE ¼ of NE ¼ NW ¼ of Section 11 and proposed mine entrance lies in the SW ¼ of NW ¼ of Section 12 T50N, R29W, Michigamme Township, Marquette County.

Requirements: The Mining and Reclamation Plan sets forth Kennecott's plan of development in building, operating, and restoring the proposed mining site pursuant to Metallic Mineral Lease M602.

Notice: This item appeared on the January 29, 2007 DNR Business Calendar and was noticed and available for comment and information at a series of public meetings September 10, 11, 12, 13, and 19, 2007. It was discussed and available for comment at the November 8, 2007 and December 6, 2007 NRC meetings. It is eligible for approval on January 10, 2008.

NATURAL RESOURCES COMMISSION

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Recommendation: Recommend approval of the Mining and Reclamation plan pursuant to the following modifications:

- Subsidence monitoring shall be conducted monthly to an accuracy of at least a one-centimeter using the array of monitoring sites as shown on the Subsidence Monitoring Station Map. Net displacement of one centimeter or more from pre-mining conditions will be considered subsidence and will cause corrective action under Department of Environmental Quality (DEQ) Mining Permit condition E8.
- The Mining and Reclamation Plan is modified to adopt the Temporary Development Rock Storage Area (TDRSA) Leak Detection and Response Action Plan. DEQ Mining Permit Condition F22 shall be the basis to determine if a leak is present in the TDRSA.
- The Mining and Reclamation Plan is modified to incorporate the Impermeable Surface Inspection and Surface Repair Plan. In addition, all collection sumps will utilize automatic sump pumps to keep collected volumes at a minimum.
- The Mining and Reclamation Plan is modified to incorporate the Portal Abandonment Plan to address abandonment of the portal near the surface.

Lynne M. Boyd, Chief
Forest, Mineral and Fire Management

Douglas A. Reeves, Acting Chief
Wildlife

Kelley D. Smith, Chief
Fisheries

Arminda S. Koch
Resource Management Deputy

I approve the staff recommendation.

Rebecca A. Humphries
Director

Approval Date