

Environmental Assessment North
Environmental Protection Operations (EPO)
Qimugjuk Building 969
PO Box 1870
Iqaluit, NU X0A 0H0
Tel: (867) 975-4631
Fax: (867) 975-4645

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EC file: 4703 001 136
NWB file: 2BE-LEP1217

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
PO Box 119
Gjoa Haven, NU X0B 1J0

Via email: licensing@nunavutwaterboard.org

RE: 120504 2BE-LEP1217 Amendment Application – Lupin Mines Inc. – Kitikmeot Region

Environment Canada (EC) has reviewed the information submitted with the above-mentioned amendment application as submitted to the Nunavut Water Board (NWB). The following specialist advice has been provided pursuant to the *Canadian Environmental Protection Act 1999*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

Lupin Mines Inc. is proposing to amend water license 2BE-LEP1217 to allow for an increase in the daily quantity of water permitted to be used under this license, increasing the limit from 45 m³/day to 240 m³/day. This increase in water use is for exploration drilling activities at targets surrounding the Lupin Mine site.

Based on a review of the amendment application, EC provides the following comments for the NWB's consideration:

General

- The proponent shall not deposit, nor permit the deposit of chemicals, sediment, wastes, or fuels associated with the project into any water body. According to the *Fisheries Act*, Section 36 (3), the deposition of deleterious substances of any type in water frequented by fish, or in any place under any conditions where the deleterious substance, or any deleterious substance that results from the deposit of the deleterious substance, may enter any such water, is prohibited.
- EC does not foresee any major issues with the increased water use as long as there are proper measures in place to cope with the increase in waste water. For example, with respect to drilling, will additional sumps be created or do the current sumps have enough capacity to deal with the increased waste water? Should additional sumps be needed, are there enough suitable locations available?

Comments previously submitted on behalf of EC regarding water license 2BE-LEP would still apply to this project. If there are any additional proposed changes to the project EC should be

notified, as further review may be necessary. Please do not hesitate to contact the undersigned with any questions or comments with regards to the foregoing at (867) 975-4631 or by email at Paula.C.Smith@ec.gc.ca.

Yours truly,



Paula C. Smith
Environmental Assessment Coordinator

cc: Carey Ogilvie (Head, Environmental Assessment-North, EPO, Yellowknife, NT)
Allison Dunn (Sr. Environmental Assessment Coordinator, EPO, Iqaluit, NU)
Ron Bujold (Environmental Assessment Officer, EPO, Yellowknife, NT)