

Lupin Mines Incorporated

September 3, 2015

Aboriginal Affairs and Northern Development Canada
Nunavut Regional Office
Building 918, P.O. Box 100
Iqaluit, NU X0A 0H0

Attention: Eva Paul

RE: 2015 Discharge Notification- Tailings Pond 2
Lupin Mine, Nunavut, License Number 2AM-LUP0914 expired (Part E Sec 4)

Dear Ms. Paul:

Please be advised that Lupin Mines Incorporated (LMI) is planning on a discharge of approximately 3 million cubic meters of water to the receiving environment from the Tailings Containment Area (TCA) Pond 2 commencing in ten (10) days or more, on or after September 13, 2015.

LMI proposes to discharge no more than 70,000 cubic meters per day, until freezing and/or weather prevents further discharge as per Part E of the expired water licence 2AM-LUP0914.

LMI has been adjusting the pH of the water in Pond 2 over the past three weeks and we will ensure that the pH will be between 6.0 and 9.5 prior to and during discharge as required with Part E of the expired water licence 2AM-LUP0914.

LMI has collected the required samples outlined in the monitoring program as described in the expired water licence 2AM-LUP0914 for pre-discharge, and will continue to collect samples at the prescribed intervals throughout the discharge period.

The attached table (Lupin TCA Results) shows the TCA water quality data from samples collected on July 9, 2015 and July 14, 2015, and Tables 1 and 2 below shows the results of the Acute Toxicity Bioassay from samples collected August 19, 2015.

LMI has completed *Daphnia magna* and rainbow trout static pass fail tests as per Environment Canada's Environmental Protection Series report EPS 1/RM/14. The tests were conducted over the expected pH range that water will be discharged from the pond. The results were reported by Nautilus Environmental Company Inc. on September 3, 2015 under work order 15648-649. The tests demonstrate that once pH adjustment of the pond is complete the water will pass MMER LC50 toxicity testing as shown in the tables below.

Table 1 - Results for rainbow trout toxicity tests

Sample ID	Range of pH values during test	Survival (%)	Pass/Fail
LUP-Station (pH 7.0)	6.4 to 7.1	100	Pass
LUP-Station (pH 7.5)	6.5 to 7.7	100	Pass
LUP-Station (pH 8.5)	6.6 to 8.6	100	Pass

Table 2 - Results for *D. magna* toxicity tests

Sample ID	Range of pH values during test	Survival (%)	Pass/Fail
LUP-Station (pH 7.0)	6.6 to 7.0	93	Pass
LUP-Station (pH 7.5)	6.8 to 7.4	93	Pass
LUP-Station (pH 8.5)	7.2 to 8.6	70	Pass

Should you have any questions in regards to this discharge, please contact the undersigned.

Regards,



Patrick Downey
President
Lupin Mines Incorporated