

Environmental Assessment North
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EC File: 4782 015
NWB File: 3BM-BAK1015

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

Via email: licensing@nunavutwaterboard.org

RE: 3BM-BAK1015 Amendment Hamlet of Baker Lake Kivalliq Region

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

FSC Architects & Engineers, on behalf of the Hamlet of Baker Lake, is applying to the NWB to amend water license 3BM-BAK1015 to allow for proposed upgrades to the water intake and treatment facility. The amendment includes a proposed increase from the 2010 estimated 181 m³/day to the proposed 228 m³/day and a 10,000 m³ backwash. The additional wastewater from filter backwash will be disposed of at the sewage lagoon facility, (approximately 190 m³/week). Water source and withdrawal areas will remain the same (Baker Lake). Construction is expected to occur in July 2011 with the commissioning of the new plant in September 2012.

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 and the proponent follows mitigation measures outlined in the application and that they are in compliance with their existing water license. Terms and conditions applied to the existing water license should be carried forward to the amendment of the license.

If there are any changes in operations EC should be notified as further review may be necessary. Comments previously submitted by EC regarding water license 3BM-BAK would still apply to this project (see attached). 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, EC, Yellowknife, NT)
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