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Our file: 4782 050

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**RE: NWB 3BM-QIK – Hamlet of Qikiqtarjuaq – 2005 Annual report**

On behalf of Environment Canada (EC), I have reviewed the information submitted with the above-mentioned report. The following specialist advice has been provided pursuant to Environment Canada's mandated responsibilities for the enforcement of the *Canadian Environmental Protection Act*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

The 2005 annual report submitted by the Hamlet of Qikiqtarjuaq indicates that levels of fecal coliforms and biological oxygen demand breach the effluent quality standards of the current water license, and that concentrations of ammonia and phenols exceed the CCME Guidelines for the Protection of Freshwater Aquatic Life. Further, the sewage effluent inhibited growth at a concentration of 5.3% (IC<sub>50</sub>). Environment Canada is aware that the Hamlet of Qikiqtarjuaq has submitted a water license application to upgrade their sewage treatment facilities. This application is timely given the results indicated in the annual report. Environment Canada will continue to participate in the review of the new water license application to ensure that the new facility is designed to produce municipal wastewater effluents that are protective of the receiving environment.

If there are any changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4639 or by email at [colette.spagnuolo@ec.gc.ca](mailto:colette.spagnuolo@ec.gc.ca).

Yours truly,

***Original signed by***

Colette Spagnuolo  
Environmental Assessment / Contaminated Sites Specialist

cc: (Stephen Harbicht, Head, Assessment and Monitoring, Environment Canada, Yellowknife)