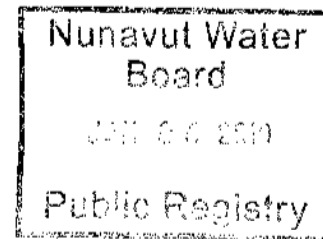


December 18, 2009

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



Re: Lake Geraldine and Sewage Lagoon Dam Safety Inspection Reports

Dear Ms. Beaulieu

In its October 13, 2009 Water Inspection, the City of Iqaluit was directed to complete a Dam Safety Inspection (DSI) on the Lake Geraldine dam and sewage lagoon dam. In response to this, the City retained the services of Concentric Associates International Inc., who completed the inspections on October 21-22, 2009. For each inspection, a DSI report was prepared and submitted to the Department of Engineering on October 29, 2009. These reports, which are attached for your review, include the scope of services, the observations and recommendations from the inspection, as well as relevant information from previous inspections.

The Sewage Lagoon DSI showed no changes to the berm structure from the previous DSI, which was conducted in 2006. The recommendations made by Concentric as a result of this DSI are as follows: review and update the Operation and Maintenance Manual, decide whether an Emergency Preparedness Plan needs to be in place and determine the capacity of the lagoon.

The Lake Geraldine Dam DSI indicated that there were no changes in the dam structure and berm structures from the 2006 DSI; however, a significant leak has formed south of the spillway, and upwelling along the south wall has increased since 1997.

The recommendations made by Concentric with regards to the Lake Geraldine dam are as follows: implement a grouting program in the summer of 2010 to fix the leakage and upwelling, update and Operation and Safety Manual, Logbook and Permanent Record File, prepare an Emergency Preparedness Plan, and conduct an underwater survey by August 2010.

The City of Iqaluit plans to address the issues presented in the two DSI reports. Priority will be given to the underwater survey, grouting program on the Lake Geraldine dam, and the preparation of Emergency Preparedness Plans.

Sincerely,

Paul Clow
Project Officer
Department of Engineering
City of Iqaluit

Encl.