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contingent on the City obtaining funding. The existing sewage lagoon will be kept in use until the first phase of the WWTP is commissioned. The commissioning date is anticipated to be January 2006.

The City will prepare an abandonment and restoration plan for the lagoon including plans to deal with the sludge in the lagoon. Also, subject to Council approval, the City will rehabilitate the lagoon berms and install piping with valves to facilitate the use of the lagoon in the event of a catastrophic failure of the WWTP.

The lagoon rehabilitation will be based on recommendations provided in the Dam Safety Review completed by Trow Associates Ltd. in October of 2002 and the Dam Safety Inspection completed by Concentric Associates International in February of 2005.

Subject to Council approval, the City is proposing to implement the following recommendations:

- Develop as-built drawings with a detailed site plan and dyke cross sections at various locations indicating the geometry and material properties of the structures.
2. Reinforce the downstream side of each of the dykes with a course, free draining rock fill buttress, with a non-woven geotextile placed along the existing downstream slope to act as a filter to prevent soil from migrating through the rock fill.
3. Prevention of erosion of the downstream toe of the west dyke. This may be achieved by providing rip-rap which is capable of withstanding the tidal fluctuations and is properly designed to prevent loss of berm material.

Ensure that the discharge outlet is of sufficient size such that the flow can be adjusted to prevent overtopping of the berms.

10. Water Treatment Plant As-Built Drawings

A copy of the As-Built drawings for the water treatment plant are provided on the attached compact disc.

11. Dam Repair Letter

The letter regarding the leak repairs which was previously submitted to the NWB was undated and did not indicate the author. The letter was written by Dillon Consulting and submitted to the City on November 24, 2004.



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12. Lake Geraldine Preliminary Design Report and Geotechnical Investigation

A copy of the preliminary design report and the geotechnical investigation was provided on a disc to the NWB on May 13, 2005.

13. Sewage Lagoon Geotechnical Report

A copy of the Geotechnical Investigation Report for the sewage lagoon which was performed in 2003 is being resubmitted with this letter on the attached compact disc.

14. Meaning of "Acutely Toxic" in Earth Tech Letter of October 12, 2004

Attached is an email from Earth Tech further explaining their use of the term "Acutely Toxic" when discussing sewage sludge from the proposed sewage treatment plant.

Generally, the term 'acutely toxic' is meant to be similar to the Occupational Health & Safety (OH&S) term of "Immediately Dangerous to Life and Health" (IDLH).

15. Conclusion

The City appreciates the opportunity to respond to the questions and comments raised by the NWB. If you have any questions, concerns or require any clarification to the information contained in this letter please do not hesitate to contact the undersigned.

Regards,

Geoff Baker
Acting Manager, Capital
Projects
City of Iqaluit

Brad L. Sokach, P.Eng
Director of Engineering
City of Iqaluit

Cc. Ian Fremantle, CAO, City of Iqaluit

Elisapee Sheutiapik, Mayor, City of Iqaluit

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