



ᐃᑭᐱᐅᐅᐅ ᓄᓇᐱᐅᐅᐅᐅᐅᐅ

ᐅᐅᐅᐅᐅᐅᐅᐅ 460

ᐃᑭᐱᐅᐅᐅᐅ ᓄᓇᐅᐅᐅ

X0A 0H0

ᐅᑭᐱᐅᐅᐅᐅᐅᐅ (867) 979-5600

ᐅᑭᐅᐅᐅᐅᐅᐅ (867) 979-5922

City of Iqaluit

Box 460

Iqaluit, Nunavut

X0A 0H0

Phone (867) 979-5600

Fax (867) 979-5922

Ville d'Iqaluit

C.P. 460

Iqaluit, Nunavut

X0A 0H0

Tél. (867) 979-5600

Télécop. (867) 979-5922

admin@city.iqaluit.nu.ca

www.city.iqaluit.nu.ca

Mr. Phillip di Pizzo
Executive Director
Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut
X0B 1J0

Nunavut Water
Board

JUN 16 2005

Public Registry

INTERNAL	AP
FILE	
SEARCHED	
SERIALIZED	
INDEXED	
EXT.	

June 1, 2005

Re: Submission of Additional Information

Dear Mr. di Pizzo:

At the public hearing held on May 12th and 13th in Iqaluit several requests were made to the City of Iqaluit for additional information to be submitted the Nunavut Water Board (NWB).

1. Updated Municipal Questionnaire – Water Treatment Plant Commissioning

The original questionnaire submitted to the Nunavut Water Board indicated that the Water Treatment Plant would be commissioned in February 2004. The questionnaire has been updated to reflect the actual commissioning date of May 28, 2004. A copy of the updated questionnaire is provided on the attached compact disc.

2. Emergency Preparedness Plan (EPP) for Lake Geraldine Dam

The EPP is included with the scope of work for the planned modifications (rising) to the dam scheduled for this summer. A copy of the EPP will be provided to the NWB once it is received by the City.

3. Hazardous Waste Management Plan

Section 3.6.5 of the Solid Waste Facility Operation and Maintenance Manual submitted to the NWB on May 20, 2005 discusses hazardous waste, more specifically defining hazardous waste classifications, collection, storage, record keeping and emergency response.

4. Sewage Lift Station Spill Contingency Plan

An updated Sewage Lift Station Spill Contingency Plan is provided on the attached compact disc. The plan has been updated to include the City's current spill response equipment as well as an updated personnel list.



ᐃᑭᐱᐅᐅᐅᐅ
We Recycle
Nous recyclons



ᐃᖅᐃᖅ ᓄᓇᓕᓕᐅᓂᖅ

ᐅᐅᖅᐅᖅ 460

ᐃᖅᐃᖅ ᓄᓇᓂᖅ

XOA OHO

ᐅᖅᓇᐅᐅᖅ: (867) 979-5600

ᓂᖅᓂᖅ (867) 979-5922

City of Iqaluit

Box 460

Iqaluit, Nunavut

XOA OHO

Phone (867) 979-5600

Fax (867) 979-5922

Ville d'Iqaluit

C.P. 460

Iqaluit, Nunavut

XOA OHO

Tél. (867) 979-5600

Télécop. (867) 979-5922

admin@city.iqaluit.nu.ca

www.city.iqaluit.nu.ca

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:

- 1. 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.
- 4. 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.





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

W:\Engineering\Projects\2005\Water License\Letter to NWB May 26, 2005.doc

ᐃᖅᐃᐃᐃᐃ ᓄᓇᓕᓕᓕᓕᓕᓕ
ᐱᐱᐱᐱᐱᐱᐱ 460
ᐃᖅᐃᐃᐃᐃ ᓄᓇᓕᓕ
XOA OH0
ᐃᖅᐃᐃᐃᐃᐃ: (867) 979-5600
ᓕᓕᓕᓕᓕᓕᓕ (867) 979-5922

City of Iqaluit
Box 460
Iqaluit, Nunavut
XOA OH0
Phone (867) 979-5600
Fax (867) 979-5922

Ville d'Iqaluit
C.P. 460
Iqaluit, Nunavut
XOA OH0
Tél. (867) 979-5600
Télécop. (867) 979-5922

admin@city.iqaluit.nu.ca
www.city.iqaluit.nu.ca



ᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱ
We Recycle
Nous recyclons