



INAC, Nunavut District Office
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Your file Votre référence

October 11, 2001.

Our file Notre référence
NWB31QA

Paul Wieczorek
Operations Superintendent, City of Iqaluit
P.O. Box 180
Iqaluit, NU X0A 0H0

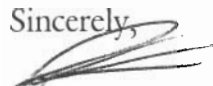
re: Planned drainage alteration / flood control works

Firstly, the Inspector wishes to commend the city for acknowledging that both the modification/alteration of the flow of watercourses and the construction of structures intended to divert water are not merely municipal internal matters, but lie within the jurisdiction of this office and of the Nunavut Water Board. As such, the Inspector was first made aware of the situation on 2001/08/16, at which time a summary inspection was conducted with a city official; a background brief and work description were then said to be forthcoming, due to the brevity of the operational window. Upon review of the 2001/10/01 work descriptions entitled Re: Alterations to Drainage Ditch and Re: Flood Control Structure at the Pond Across from the New Arena, the Inspector could be inclined to agree that the proposed works fall under subsection 8(2)(c)(ii) of the *Northwest Territories Waters Act* relating to emergency flood prevention measures; and therefore be exempt of authorization and/or licencing requirements.

However, consultation with other concerned departments has underlined the need to fully assess siltation considerations which may arise from the undertakings. Consequently, the Inspector cannot reasonably enact emergency flood prevention clauses while habitat concerns remain unaddressed, and requests that the city provide a more detailed plan of the proposed works and associated remediation measures before proceeding with the alterations.

Please feel free to contact me at (867) 975-4298 or lavalleep@inac.gc.ca should any questions/comments arise.

Sincerely,


Philippe Lavallée
Water Resources Officer
INAC, Nunavut District

c.c. - **Nunavut Water Board, Gjoa Haven**
- DFO Habitat Management, Iqaluit (Jordan DeGroot)

Canada



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Re: Flood Control Structure at the Pond Across from the New Arena

October 1, 2001

Dear Sir;

Further to our conversation on September 28, 2001, the following is a description of the proposed works, and the reasons the works are required.

The pond across from the new arena is at the site of an abandon sandpit. It is feed solely form surface runoff and snowmelt. The area traditionally drains behind houses 2734 and 2732 on Crystal Ridge. Due to flooding problems on Crystal Ridge, a culvert was constructed across Apex Road to act as a flood control. With the construction of the French Language School and the new arena, the outlet for the culvert has been altered and therefore the culvert will no long provide flood control. Therefore to prevent flooding along Crystal Ridge and property damage, an alternate flood control structure is required.

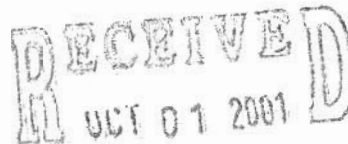
The City of Iqaluit is proposing to provide flood control for the pond by constructing an outlet on the eastern side of the pond. This will be accomplished by constructing a ditch from the edge of the pond to an area behind the pond where the water will be allowed to sheet drain across the tundra. The elevation of the ditch will be such as to maintain the water level of the pond, and is not intended and will not drain the pond or lower its normal level. It will only protect the houses on Crystal Ridge from flooding.

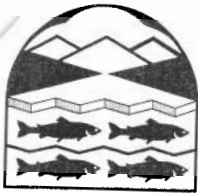
To prevent flooding during the spring runoff, this work is required to be undertaken in the near future. We request you review the proposed works and respond to the request for approval to alter the drainage course. The potential problems can be observed at the pond, as recent rainfalls have raised the water level of the pond, which now threatens the houses on Crystal Ridge.

If you have any questions or require additional information, please contact the undersigned.

Yours truly,

Paul Wiczorek
Operations Superintendent





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Re: Alterations to Drainage Ditch

October 1, 2001

Dear Sir;

Further to our conversation on September 28, 2001, the following is a description of the proposed works, and the reasons the works are required.

The owner of house 477 has expressed concern regarding the drainage ditch behind his house. The ditch runs immediately adjacent to his house's foundation, and has deepened in recent years. His concern is that the ditch may adversely affect his foundation. To respond to his concern, the City of Iqaluit is proposing to try to improve the situation. We propose to attempt to relocate the section of the ditch directly behind house 477. If this proves to be impractical due to rock, the existing ditch will be lined with filter cloth and rip rap to prevent any further erosion.

Please review our request to undertake the above works as request by the homeowner. If you have any questions or require additional information, please contact the undersigned.

Yours truly,

Paul Wiczorek
Operations Superintendant

