

(In reply, please refer to)
Our File: 08-8902-5030

June 10, 2008

Northwest Territories Water Board
P.O. Box 1326
5114 - 49th Street
Yellowknife, NT
X1A 2N9

COPY	
BOARD	3
CHAIR	—
E.A.	—
W. RES	0/2/6.
NMDO	1
FILE	0570

rew

Attention: Mr. Peter Bannon, Technical Advisor

Re: Water Licence Amendments for Aklavik, Ulukhaktok and Tuktoyaktuk Water Treatment Plants

Dear Mr. Bannon:

Please find attached to this letter an application for amendment to Water Licences N3L3-0570, N7L3-1525 and N7L3-0714. The purpose of this amendment is to obtain approval for upgrades to the existing water treatment plants in Aklavik, Ulukhaktok and Tuktoyaktuk. Upgrades to these facilities will affect only the buildings and water treatment systems. The water source, intake locations, building locations and truckfill delivery systems will all remain the same.

The attached application forms describe the proposed upgrades in further detail. Please review and notify us if you require further information regarding our application. Once the drawings have been completed for the proposed upgrades, a copy will be forwarded to the Northwest Territories Water Board. Please do not hesitate to contact us with any questions or concerns you may have. You may reach us at (867) 920-4555. We look forward to working with you in completing the application process.

Yours sincerely,
DILLON CONSULTING LIMITED



Gary Strong, P.Eng.

GS/jms
Encl.



4920
47th Street
Suite 303
Box 1409
Yellowknife
Northwest Territories
Canada
X1A 2P1
Telephone
(867) 920-4555
Fax
(867) 873-3328

Dillon Consulting
Limited

SCHEDULE III
(Subsection 6 (1))

APPLICATION FOR LICENCE, AMENDMENT OF LICENCE OR RENEWAL OF LICENCE

APPLICATION/LICENCE NO. 0570
(amendment or renewal only)

1. NAME AND MAILING ADDRESS OF APPLICANT

Hamlet of Aklavik
Box 88
Aklavik, NT
X0E 0A0

Telephone: (867) 978-2351 Fax: (867) 978-2434

2. ADDRESS OF HEAD OFFICE IN CANADA IF INCORPORATED

Telephone: _____ Fax: _____

3. LOCATION OF UNDERTAKING (describe and attach a map, indicating watercourses and location of any proposed waste deposits)

Latitude: 68°13' N Longitude: 124°59' W

4. DESCRIPTION OF UNDERTAKING (describe attach plans)

This application is for an amendment to the current water licence governing the water treatment plant in Aklavik, NT. The proposed amendment is for upgrades to the existing water treatment process in the Aklavik water treatment plant. The water source, intake location, building location and truckfill distribution system will all remain the same. Changes to the water treatment plant will only affect the building and water treatment system.

Due to more stringent standards for turbidity as recently set out by the Guidelines for Canadian Drinking Water Quality (GCDWQ), the current water treatment system no longer complies with GCDWQ. Therefore upgrades to the system are required in order to meet these requirements. Upgrades to the water treatment system include incorporation of flocculation, settling clarifiers, mixed-media filtration and disinfection through chlorination. The intake screen will also be changed, however no other modifications to the intake will be performed. Currently the intake screen does not meet regulations set out by the Department of Fisheries and Oceans (DFO). The replacement screen will be of proper size to meet these regulations.

5. TYPE OF UNDERTAKING

Municipal

6. WATER USE

To obtain water for community use.

7. QUANTITY OF WATER INVOLVED (litres per second, litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)

55,366 L/d

SCHEDULE III – *Concluded*
APPLICATION FOR LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE – *Concluded*

8. WASTE DEPOSITED (quantity, quality, treatment and disposal)

Not Applicable

9. OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (giving name, mailing address and location; attach list if necessary)

Not Applicable

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION

Possible disturbance of fish habitat around intake during intake screen replacement. The following procedures will be implemented in order to mitigate any harmful effects.

1. Intake screen and velocity will be of appropriate size to prevent the entrainment of fish and will follow DFO Guidelines.
 2. During construction, the affected area will be isolated from the rest of the lake to mitigate against sediment from interrupting the natural spawning season of the fish.
-

11. CONTRACTOR AND SUB-CONTRACTORS (names, addresses and functions)

Corix Water Systems
#100 – 20329 Logan Ave
Langley, BC
V3A 4L8
Telephone: (604) 539-9399
Fax: (604) 539-9309

Function: Contractor

Dillon Consulting Limited
Box 1409
Suite 303, 4920 47th Street
Yellowknife, NT
X1A 2P1
Telephone: (867) 920-4555
Fax: (867) 873-3328

Function: Sub-contractor

ADCO North Limited
10 Nahanni Drive
Yellowknife, NT
X1A 2P5
Telephone: (867) 873-5517
Fax: (867) 873-5557

Function: Sub-contractor

12. STUDIES UNDERTAKEN TO DATE (attach list if necessary)

Public Works and Services, Government of the Northwest Territories, September 2003. Review of Community Water Management and Water System Infrastructure.

Reid Crowther & Partners Limited, January 2000. Aklavik Water Supply Study – Needs Assessment Study.

13. PROPOSED TIME SCHEDULE

Start date: July 2008

Completion date: July 2009

Evelyn Storr Senior Admin Officer [Signature] July 21-08
NAME (Print) TITLE (Print) SIGNATURE DATE

FOR WB OFFICE USE ONLY

APPLICATION FEE	Amount: \$ _____	Receipt No.: _____
WATER USE DEPOSIT	Amount: \$ _____	Receipt No.: _____