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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN

WATER LICENCE APPLICATION FORM

Application for: (check one)

☒ New ☐ Amendment ☐ Renewal ☐ Assignment

LICENCE NO: (for NWB use only)									
1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE Hamlet of Taloyoak PO Box 8 Taloyoak, NT X0B 1B0 Phone: (867) 561-6341 Fax: (867) 561-5057 e-mail: _____	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable) Phone: _____ Fax: _____ e-mail: _____								
3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking) See attached site map. Latitude: <u>69°32'N</u> Longitude: <u>93°3'W</u> NTS Map No. _____ Scale _____									
4. DESCRIPTION OF UNDERTAKING (attach plans and drawings) Amendment to water licence N7L3-1661 in conjunction with the renewal of the expired water licence for the Hamlet of Taloyoak. Licence includes construction of a new water treatment plant and installation of new intake pipe into Canso Lake. The current intake in Water Lake as well as the existing water treatment plant will remain operational until the new intake and water treatment plant has been commissioned. No upgrades to sewage or solid waste sites will take place at this time.									
5. TYPE OF UNDERTAKING <table><tr><td><input type="checkbox"/> Industrial</td><td><input type="checkbox"/> Remote/Tourism Camps</td></tr><tr><td><input type="checkbox"/> Mine Development</td><td><input checked="" type="checkbox"/> Municipal</td></tr><tr><td><input type="checkbox"/> Advanced Exploration</td><td><input type="checkbox"/> Power</td></tr><tr><td><input type="checkbox"/> Exploratory Drilling</td><td><input type="checkbox"/> Other (describe): _____</td></tr></table>		<input type="checkbox"/> Industrial	<input type="checkbox"/> Remote/Tourism Camps	<input type="checkbox"/> Mine Development	<input checked="" type="checkbox"/> Municipal	<input type="checkbox"/> Advanced Exploration	<input type="checkbox"/> Power	<input type="checkbox"/> Exploratory Drilling	<input type="checkbox"/> Other (describe): _____
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<input type="checkbox"/> Advanced Exploration	<input type="checkbox"/> Power								
<input type="checkbox"/> Exploratory Drilling	<input type="checkbox"/> Other (describe): _____								

6. WATER USE

- | | |
|---|--|
| <input checked="" type="checkbox"/> To obtain water | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> Flood control |
| <input type="checkbox"/> To alter the flow of, or store, water | <input type="checkbox"/> Other (describe): _____ |
| <input type="checkbox"/> To cross a watercourse | |

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)

247,480 litres/day

8. WASTE (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

Not Applicable – No upgrades to sewage and solid waste facilities at this time.

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

Not Applicable.

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

Possible negative effects on fish populations in Canso Lake where new water intake screen is to be placed. To minimize the effects the following procedures will be implemented:

1. Rip-rap will be laid around the new pipe and intake to resemble the current fish habitat found in Canso Lake.
2. Intake screen and velocity will be of appropriate size to prevent the entrainment of fish and will follow DFO Guidelines.
3. 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.
4. Best management practices will be put into effect to minimize adverse effects during the construction stage i.e. equipment will be regularly checked for leaks and refueling will occur when potential spills cannot enter into the lake.

11. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

To be determined.

12. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

Dillon Consulting Limited, 2007. Water Systems Upgrade for Taloyoak, NT, Pre-Design Report.

Dillon Consulting Limited, April 2005. Taloyoak Water System Upgrade Planning Study.

Dillon Consulting Limited, December 2004. Taloyoak Water System Site Investigation and Remedial Action Plan.

13. PROPOSED TIME SCHEDULE

___ Annual (or) ☒ Multi Year

Start Date: August 2008

Completion Date: August 2010

Sudhir Kumar Jha

Name (Print)

Project officer

Title (Print)

Sudhir

Signature

May 28, 2008

Date

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$ _____

Receipt No.:

WATER USE DEPOSIT

Amount: \$ _____

Receipt No.: