



## Application for Water Licence Renewal

Document Date: May 2011

Application Submission Date:

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Month/Day/Year

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## DOCUMENT MANAGEMENT

Original Document Date: April 2010

### DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 7	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



## 1

**2. LICENSEE REPRESENTATIVE CONTACT INFORMATION – If different from Block 1.**

Name: Amie Black

Address:  
Environment Canada  
1125 Colonel By Dr.  
Ottawa, ON  
K1A 0H3

Phone: 613-998-8523

Fax: 613-998-0458

e-mail: amie.black@ec.gc.ca

(Attach authorization letter.)

**3. NAME OF PROJECT**

Is the name of the project the same as that considered in the existing water licence?

X Yes ☐ No

Indicate the name of the project including the name of the location: East Bay Biological Field Camp

**4. LOCATION OF UNDERTAKING**

Is the location of the undertaking the same as that considered in the existing water licence?

X Yes ☐ No

**Project Extents**

NW: Latitude: ( 64 ° 01 ' 53.04" N)

Longitude: ( 81 ° 47 ' 42.17" W)

NE: Latitude: ( 64° 00 ' 04.55" N)

Longitude: (81° 41 ' 39.03" W)

SE: Latitude: (63° 57' 01.03" N)

Longitude: (81° 39' 53.76" W)

SW: Latitude: (63° 56' 24.57" N)

Longitude: (81° 50' 10.97" W)

**Camp Location(s)**

Latitude: ( 64° 01' 47.0N)

Longitude: ( 81° 47' 16.7" W)

**5. MAP**

Are the locations of the main components of the undertaking the same as those considered in the existing licence?

X Yes ☐ No

Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: 46

Map Name: Southampton Island Map Scale: 1:250 000

**6. NATURE OF INTEREST IN THE LAND**

Is the nature of the interest in the land the same as that considered in the existing water licence?

X Yes ☐ No

Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

**Sub-surface**

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

**Surface**

X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: 22 March 2002 Date of expiry: \_None- reserve\_

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

X IOL Authorization from Kivalliq Inuit Association (KivIA)

Date (expected date) of issuance: \_11 May 2011\_ Date of expiry: 15 August 2012

☐ IOL Authorization from Qikiqtani Inuit Association (QIA)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ Commissioner's Land Use Authorization

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ Other \_\_\_\_\_

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

Is the name of the entity(s) holding authorizations the same as that considered in the existing water licence?

X Yes ☐ No

If No, a licence assignment must be completed and approved by the NWB.

Name of entity(s) holding authorizations: \_\_\_\_\_ Environment Canada \_\_\_\_\_

**7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION**

Is the undertaking located in the same land use planning area as that considered in the existing licence?

☒ Yes ☐ No

Indicate the land use planning area in which the project is located.

☐ North Baffin  
☐ South Baffin  
☐ Akunnig

☒ Keewatin  
☐ Sanikiluaq  
☐ West Kitikmeot

Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy. 17 April 2011

Does the proposed renewal change the original NPC conformity determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. \_\_\_\_\_  
If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

**8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION**

Was a screening determination required from NIRB prior to the issuance of the existing water licence?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy. 26 May 2011

Does the proposed renewal change the original NIRB screening determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. \_\_\_\_\_  
If No, provide written confirmation from NIRB confirming that a screening determination is not required.

**9. DESCRIPTION OF UNDERTAKING**

Is the description of the undertaking the same as that considered in the existing water licence?

☒ Yes ☐ No

List and attach plans and drawings or project proposal.

Attached:

Spill Contingency Plan

Project Description

## 10. OPTIONS

Are the alternative methods and locations that were considered to carry out the project the same as those considered in the existing water licence?

No alternative methods and locations were considered in the original proposal.

☐ Yes ☐ No

Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

## 11. CLASSIFICATION OF PRIMARY UNDERTAKING

Is the primary undertaking the same as that considered in the existing water licence?

X Yes ☐ No

Indicate the primary classification of undertaking by checking one of the following boxes.

- |   |  |
|---|--|
| <input type="checkbox"/> Industrial   | <input type="checkbox"/> Agricultural                    |
| <input type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps) |  |
| X Conservation  |  |
| <input type="checkbox"/> Municipal (includes camps/lodges)                                    | <input type="checkbox"/> Recreational                    |
| <input type="checkbox"/> Power  | <input type="checkbox"/> Miscellaneous (describe below): |

See Schedule II of the *Northwest Territories Waters Regulations* for Description of Undertakings.

## 12. WATER USE

Is the type(s) of water use(s) the same as that considered in the existing water licence?

X Yes ☐ No

Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

- |  |   |
|--|---|
| X To obtain water for camp/ municipal purposes                   |   |
| <input type="checkbox"/> To obtain water for industrial purposes | <input type="checkbox"/> To divert a watercourse                    |
| <input type="checkbox"/> To cross a watercourse                  | <input type="checkbox"/> To modify the bed or bank of a watercourse |
| <input type="checkbox"/> To alter the flow of, or store water    | <input type="checkbox"/> Flood control                              |
| <input type="checkbox"/> Other: _____                            |   |



**13. QUANTITY OF WATER INVOLVED**

Is the source of water the same as that considered in the existing licence? X Yes ☐ No

Name of water source(s): Un-named creek near camp and snow and ice  
(show location(s) on map)

Is the quality of the water source and its available capacity the same as that considered in the existing licence?

X Yes ☐ No

Describe the quality of the water source(s) and the available capacity(s): The quality is potable drinking water, and is more than enough to sustain the camp with no appreciable decrease in creek or snow/ice quantity

Is the overall estimated quantity of water to be used the same as that considered in the existing licence?

X Yes ☐ No

Provide the overall estimated quantity of water to be used: 0.166 m<sup>3</sup>/day

Are the quantity(s) of water to be used from each source the same as those considered in the existing licence?

X Yes ☐ No

Provide the estimated quantity(s) of water to be used from each source: 0.083

Are the quantity(s) of water to be used for each purpose the same as those considered in the existing licence?

X Yes ☐ No

Provide the estimated quantities to be used for each purpose (camp, drilling, etc.): All water will be used for camp purposes (washing, drinking)

Are the method(s) of extraction the same as those considered in the existing licence? X Yes ☐ No

Describe the method(s) of extraction: shovels (ice and snow) and buckets (creek)

Are the quantity(s) of water returned to source(s) the same as those considered in the existing licence?

X Yes ☐ No

Estimated quantity(s) of water returned to source(s): No wastewater returned to source m<sup>3</sup>/day

Are the quality(s) of water(s) returned to source(s) the same as those considered in the existing licence?



X Yes ☐ No

Describe the quality(s) of water(s) returned to source(s):\_ No wastewater returned to source

#### 14. WASTE

Are the type(s) of waste(s) to be generated and/ or deposited the same as those considered in the existing licence?

X Yes ☐ No

Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

X Sewage

X Solid Waste

☐ Hazardous

☐ Bulky Items/Scrap Metal

☐ Animal Waste

X Other (describe):\_ Empty fuel barrels

☐ Waste oil

X Greywater

☐ Sludges

☐ Contaminated soil and/or water

#### 15. QUANTITY AND QUALITY OF WASTE INVOLVED

Are the quantity(s) of the types of wastes involved the same as those considered in the existing licence?

X Yes ☐ No

Are the composition(s) of the types of wastes involved the same as those considered in the existing licence?

X Yes ☐ No

Are the method(s) of treatment for the types of waste involved the same as those considered in the existing licence?

X Yes ☐ No

Are the method(s) of disposal for the types of waste involved the same as those considered in the existing licence?

☐ Yes X No

For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Sewage		0.02	Composting toilet	Incinerated
Solid waste	Kitchen waste	0.08	Incinerated	Incinerated or Iqaluit Municipal

				dump
Greywater	Wash water	0.02	none	Sump
Fuel Drums	Metal	2 drums	Re-used or cleaned by professionals in Iqaluit	The yare re- used

#### 16. OTHER AUTHORIZATIONS

In addition to the sub-surface and surface land use authorizations provided in Block 6, are the same authorizations required as considered in the existing licence?

☐ Yes ☒ No

For each provide the following:

Authorization: \_\_\_\_\_

Administering Agency: \_\_\_\_\_

Project Activity: \_\_\_\_\_

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

#### 17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES

Are predicted environmental impacts of the undertaking and proposed mitigation measures the same as those considered in the existing water licence?

None were considered on the original application.

☐ Yes ☐ No

Describe direct, indirect, and cumulative impacts related to water and waste.

#### 18. WATER RIGHTS OF EXISTING AND OTHER WATER USERS

Are the effects of the undertaking on any known persons or property including those that hold licences for water use in precedence to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature, the same as those considered in the existing water licence?

None were considered in the application. No one would be adversely affected by this undertaking (camping).

☐ Yes ☐ No

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of

property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

**19. INUIT WATER RIGHTS**

Are the effects of the undertaking on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) the same as those considered in the existing water licence? None were considered in the application.

☐ Yes ☐ No

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No effect has been made on the quantity or quality of the water.

**20. CONSULTATION** - Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns. We have annual meetings in Coral Harbour with the local Hunters and Trappers Association (most recent was May 25, 2011, another is planned for March 2012). No concerns over land use were raised.

**21. SECURITY INFORMATION**

Is the financial security assessment the same as that considered in the existing water licence?

As a federal government department, no financial assessment conducted.

☐ Yes ☐ No

Is the estimate of the total financial security for final reclamation the same as that considered in the existing water licence?

☐ Yes ☐ No

Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

**22. FINANCIAL INFORMATION**

Is the statement of financial security the same as that considered in the existing water licence?

As a federal government department, no financial statement was provided.

☐ Yes ☐ No

Provide an updated statement of financial security.

If the applicant is a business entity please answer the questions below:

Is the list of the officers of the company the same as those considered in the existing water licence?

☐ Yes ☐ No

Provide a list of the officers of the company.

Is the Certificate of Incorporation or evidence of registration of the company name the same?

As a federal government department, no Certificate of Incorporation was provided.

☐ Yes ☐ No

Attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

### 23. STUDIES UNDERTAKEN TO DATE

List and attach updated studies, reports, research etc.

We have not conducted studies of the water used in this project

Provide a compliance assessment and status report including a response to any inspector's reports. The licensee must contact the NWB for licence specific direction in completing the assessment and report.

We were notified by Andrew Kiem, Water Resource Manager, AANDC on May 31 that an inspection would take place on August 10, 2011, but we have not been able to reach AANDC to determine if the inspection took place.

If in non-compliance, a licence may not be issued until compliance is achieved. If in non-compliance, attach plans/reports for consideration. Application will not be processed if significant issues of non-compliance exist.

### 24. PROPOSED TIME SCHEDULE

Is the time schedule for all phases of development (construction, operations, closure and post closure) the same as that considered in the existing licence?

X Yes ☐ No

Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Construction

Proposed Start Date: \_\_\_\_\_ Proposed Completion Date: \_\_\_\_\_  
(month/year) (month/year)

Operation

Proposed Start Date: May 1996 Proposed Completion Date: Ongoing

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## 27. CHECKLIST

The following must be included with the application for renewal for the water licensing process to begin.

Completed Application for Water Licence Renewal form.

☒ Yes                      ☐ No                      If no, date expected \_\_\_\_\_

Updated plans, including designs and reports (see Block 23).

☐ Yes                      ☒ No                      If no, date expected \_\_\_\_\_ N/A \_\_\_\_\_

Updated security assessment (see Block 21).

☐ Yes                      ☒ No                      If no, date expected \_\_\_\_\_ N/A \_\_\_\_\_

Updated financial statement (see Block 22).

☐ Yes                      ☐ No                      If no, date expected \_\_\_\_\_ N/A \_\_\_\_\_

Compliance Assessment / Status Report (see Block 23).

☐ Yes                      ☐ No                      If no, date expected \_\_\_\_\_ N/A \_\_\_\_\_

English Summary of Renewal Application.



X Yes ☐ No If no, date expected \_\_\_\_\_

Inuktitut and/or Inuinnaqtun Summary of Renewal Application.

X Yes ☐ No If no, date expected \_\_\_\_\_

Application fee of \$30.00 CDN (Payee Receiver General for Canada).

☐ Yes X No If no, date expected \_\_\_\_N/A\_\_\_\_

Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

☐ Yes X No If no, date expected \_\_\_\_N/A\_\_\_\_

**28. SIGNATURE**

I, Grant Gilchrist (print name)

certify that the application requires no changes to water use or waste disposal as previously authorized and that the information given on this form is, to the best of my knowledge, correct and complete.

  
Signature

2 Feb 2012  
Date



# Nunavut Water Board Licence Summary

Licence # 3BC-EAS0811

## **Licensee**

Grant Gilchrist  
Environment Canada  
1125 Colonel By Dr.  
Ottawa, ON, K1A 0H3  
(613)998-7364  
grant.gilchrist@ec.gc.ca

## **Renewal Summary**

We are seeking renewal of our water licence for our biological field camp located in East Bay, Southampton Island, Nunavut. We plan to continue our seasonal camp operation (June – August) as our scientific research is ongoing, so we are requesting a 5-year licence renewal.

Since our initial licence was granted in 2008 our camp has remained relatively small (6-12 people) and we continue to use very small amounts of water for drinking, washing, and household chores. Water is collected from snow and ice in the early summer and from a creek later on. In recent years we have upgraded our camp with a garbage incinerator and composting toilet to better deal with our waste.

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**East Bay, Southampton Island**