

# Nunavut Water Board

## Standard Form for Annual Reporting Requirements of NWB2 Exploration Water Licenses

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Under the terms of your water licence issued by the Nunavut Water Board ("NWB") for the use of water and the disposal of waste into water associated with mineral exploration (NWB2 Licenses), Licensees are required to submit to the NWB an Annual Report no later than March 31st of the year following the calendar year being reported.

In order to aid the Licensee with the preparation of the Annual Report and facilitate its review by the NWB, Licensees are **required** to use the following form.

### Recommendation and Helpful tips for use:

**Metric units shall be used to report any relevant data.**

**How to Add additional space within Text boxes** - Right click mouse on the row number (directly to the left of your screen) which falls within the text box range and click insert. **Do not drag or drop text box to modify size of the text box because formatting will not be maintained and data will be lost.** If you have large amounts of data recommend adding additional worksheets. Go to the help menu for assistance.

**Electronic versions should be submitted in Adobe to ensure protection of your information.** If you do not have shortcut keys to save as a PDF. Go to print menu . Choose to print "Entire Worksheet" then select printer option Adobe PDF and you will be prompted to save the document as a PDF document. Reminder ensure you have saved your document in Excel so that future changes can be made.

**Modify the Header** - Select "View" then "Header" from the main menu. Select "Custom Header" and change to reflect the valid Water Licence No.

Textboxes denoted with \* are optional.

Annual Reports shall be submitted by either fax, mail or email in adobe acrobat or Excel format to:

Nunavut Water Board  
c/o Manager of Licensing  
P.O. Box 119  
Gjoa Haven, NU X0B 1J0  
Tel: 867-360-6338  
Fax: 867-360-6369  
Email: [licensing@nunavutwaterboard.org](mailto:licensing@nunavutwaterboard.org)

NWB Annual Report

Year being reported: 2009



License No: 3BC-BGI0813

Expiry Date:

September 30, 2013

Project Name:

Belcher Glacier Ice Cap Project

Licensee:

EARTH &amp; ATMOSPHERIC SCIENCES – UNIVERSITY OF ALBERTA

Mailing Address:

1-26 EARTH SCIENCE BUILDING, EDMONTON, AB T6G 2E3

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

#### General Background Information on the Project (\*optional):

Scientific study of the dynamics and recent changes in the Devon Island ice cap, with a particular focus on the surface hydrology and flow of the Belcher Glacier. Work was conducted by two parties consisting of two people from small camps. Water use is for domestic consumption only.

Licence Requirements: the licensee must provide the following information in accordance with

Part B



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**A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.**

Water Source(s):

Melted snow from Belcher Glacier

Water Quantity:

5 cu.m/day

Quantity Allowable Domestic (cu.m)

0.02 cu.m/day

Actual Quantity Used Domestic (cu.m)

0

Quantity Allowable Drilling (cu.m)

0

Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

☐ Solid Waste Disposal☒ Sewage☐ Drill Waste☒ Greywater☐ Hazardous☐ Other:

Additional Details:

Greywater and toilet wastes were disposed of in glacial crevasses.  
All other solid/domestic waste was removed from the site and deposited in waste disposal facilities at PCSP in Resolute Bay, Nunavut.

**A list of unauthorized discharges and a summary of follow-up actions taken.**

Spill No.:  (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

### Revisions to the Spill Contingency Plan

No Spill Contingency Plan (SCP) submitted or approved



Additional Details:

### Revisions to the Abandonment and Restoration Plan

No Abandonment and Restoration (AR) Plan submitted or approved



Additional Details:

### Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

Camps operated under 'leave no trace' principals and pre-existing natural contours of the land were maintained. Empty fuel drums were removed from the site.

### Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Details attached



Additional Details:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details attached



Additional Details:

**Results of any additional sampling and/or analysis that was requested by an Inspector**

No additional sampling requested by an Inspector or the Board



Additional Details: (date of request, analysis of results, data attached, etc)

Note: all fieldwork involving camps was conducted before start of melt season - no liquid water present on ice cap at this time

**Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.**

No additional sampling requested by an Inspector or the Board



Additional Details: (Attached or provided below)

**Any responses or follow-up actions on inspection/compliance reports**

No inspection and/or compliance report issued by INAC



Additional Details: (Dates of Report, Follow-up by the Licensee)

**Any additional comments or information for the Board to consider**

**Date Submitted:**

December 6, 2009

**Submitted/Prepared by:**

Dr Martin Sharp

**Contact Information:**

**Tel:** 780 492 4156

**Fax:** 780 492 2030

**email:** [martin.sharp@ualberta.ca](mailto:martin.sharp@ualberta.ca)

### GPS Coordinates for water sources utilized

[illegible]

### GPS Locations of areas of waste disposal

[illegible]