

NWB Annual Report

Year being reported: 2012 ▼

License No: 3BC-BGI0813 **Issued Date:** October 6, 2008
Expiry Date: September 30, 2013

Project Name: Belcher Glacier Ice Cap Project, Qikiqtani Region, Nunavut

Licensee: Earth and Atmospheric Sciences -University of Alberta

Mailing Address: 1-26 Earth Science Building, University of Alberta,
Edmonton, Alberta, 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 or three 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 ▼ Item 2 ▼

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 Devon Ice Cap/Belcher Glacier		
Water Quantity:	5 cu.m/day	Quantity Allowable Domestic (cu.m)	
	0.025 cu.m/day	Actual Quantity Used Domestic (cu.m)	
		Quantity Allowable Drilling (cu.m)	
		Total Quantity Used Drilling (cu.m)	

Waste Management and/or Disposal

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

Additional Details:

Grey water and toilet wastes were disposed of in glacial crevasses. All other solid waste was removed from site and deposited in waste disposal facilities in Resolute Bay,

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)

No spills to report.

Revisions to the Spill Contingency Plan

Other: (see additional details) ▼

Additional Details:

Contact information updated on the attached SCP.

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' principles and pre-existing natural contours of the land were maintained. Empty fuel drums were removed from the ice cap to Resolute Bay. Big Rock (Belcher) Camp was shut down and all material removed from 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:

See next tab

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:

see next tab

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)

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:

March 20, 2013

Submitted/Prepared by:

Dr. Martin Sharp

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GPS Coordinates for water sources utilized

[illegible]

All GPS co
disposal

GPS Locations of areas of waste disposal

[illegible]

ordinates noted here are unchanged from 2011...I did NOT update the camp locations and/or areas of waste