

NWB Annual Report

Year being reported: 2008



License No: 3BC-AFP0813

Issued Date: December 4, 2008

Expiry Date: November 30, 2013

Project Name: Arctic Flora Project, Kitikmeot Region, Nunavut

Licensee: Dr. Lynn J. Gillespie

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

n/a

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

Our project aims to document knowledge of arctic plants and understand how climate change affects them. The research builds on our previous extensive studies on the arctic flora, including our 2007 publication "Flora of the Canadian Arctic Archipelago." During each season, we visit approximately 3 different sites. Each year we visit a different location, generally not revisiting the same sites during a 5 year period. Therefore, each site is different, and may or may not have been visited in the past.

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):	lakes and rivers in vicinity of camps	
Water Quantity:	5 cu.m	Quantity Allowable Domestic (cu.m)
	< 5 cu.m	Actual Quantity Used Domestic (cu.m)
	n/a	Quantity Allowable Drilling (cu.m)
	n/a	Total Quantity Used Drilling (cu.m)

## Waste Management and/or Disposal

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

Additional Details:

Solid waste: Burnables, including toilet paper, were burned at site in accordance with Part D.3 of the License. Non-flammables were all carried out and disposed of in Cambridge Bay.

Sewage: As outlined in application. Minimal, for four persons. Sewage was buried in small quantities (100-300g) well away from camp and water sources. (100-300g / day per person).

Greywater from washing and dishes equaled approximately 5 litres per day and was disposed in small quantities at a distance from our camp well away from water sources.

#### 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)

n/a

#### Revisions to the Spill Contingency Plan

N/A - not applicable



Additional Details:

Email sent February 19, 2009 which included the following details of our camp, requesting exemption.  
In our camps, the following hazardous/petroleum materials are used:  
Hazardous materials: none  
Petroleum products: The only fuel that we store is 4-8L of Coleman Fuel and 1-2L of propane, both of which we use for domestic purposes (meriting possible exemption under section 2(2) of the Spill Contingency Planning and Reporting Regulations R-068-93 document). The Coleman Fuel is used for cooking, and the propane is used only occasionally for heating or drying in extremely cold or wet weather. These fuels are stored in appropriate containers. We will carry MSDS sheets for each of these chemicals in case of minor spills or accidents (such as getting fuel in the eyes) during our activities. All of our team members have taken WHMIS training and therefore know how to read these MSDS sheets.  
These actions were followed during the field season.

#### Revisions to the Abandonment and Restoration Plan

N/A - not applicable



Additional Details:

#### Progressive Reclamation Work Undertaken

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

n/a

**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 described below ▼

Additional Details:

As requested in our application; slight modification associated with landing conditions in the field.  
 Oterkvik Point: 68°36'50"N, 112°34'34"W  
 Johansen Bay: 68°39'25"N, 110°42'30"W  
 Sinclair Creek: 68°45'05"N, 109°06'20"W  
 We did not camp at Cambridge Bay, so only utilized municipal water in this location.

**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 described below ▼

Additional Details:

As requested in our application; slight modification associated with landing conditions in the field.  
 Oterkvik Point: 68°36'50"N, 112°34'34"W  
 Johansen Bay: 68°39'25"N, 110°42'30"W  
 Sinclair Creek: 68°45'05"N, 109°06'20"W  
 We did not camp at Cambridge Bay, so did not deposit waste at this location.

**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:**

February 17, 2010

**Submitted/Prepared by:**

L. Consaul; L. Gillespie

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## GPS Coordinates for water sources utilized

[illegible]

### GPS Locations of areas of waste disposal

[illegible]