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NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

WATER LICENCE APPLICATION FORM

Application for: (check one)

New Renewal Amendment Assignment Cancellation

LICENCE NO.:

(for NWB use only)

<p>1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE</p> <p>Primary Investigator: Dr. Ray T. Alisauskas Research Scientist Science and Technology Branch, Environment Canada 115 Perimeter Road Saskatoon, SK S7N 0X4</p> <p>Phone: 306.975.4556 Fax: 306.975.4089 E-mail: Ray.Alisauskas@ec.gc.ca</p> <p>Research Support: Dana Kellett Wildlife Technician address as above Phone: 306.975.5509 Fax: 306.975.4089 E-mail: Dana.Kellett@ec.gc.ca</p>	<p>2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)</p> <p>Phone: Fax: E-mail:</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Nunavut Water Board APR 6 2010</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Public Registry</p> </div>
<p>3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)</p> <p>In addition to the camp located at 67° 14' 13" N and 100° 15' 30" W (NWB license 3BC-KAR0812), we are requesting this amendment validate a secondary, smaller camp at location:</p> <p>Latitude: (67° 21' 9" N) Longitude: (100° 20' 59" W) NTS Map Sheet No. <u>66N</u> Scale: 1:250,000</p>	
<p>4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)</p> <p>As part of the successful application to the Arctic Research Infrastructure Fund (Project: Arctic Migratory Bird Research Network), we hope to construct a small (12x16') cabin about 15 km north-west of the existing camp, at the above-mentioned location. As the nesting distribution of the primary species of study (Lesser Snow and Ross's Geese) shifts to the north-west, many areas of the colony are becoming increasingly difficult to reach by foot from the existing camp, which is now located in the south-east region of the colony. Impact on the land at this site will be minimal; access will be primarily by foot and occasionally by helicopter, and refuse management, etc. will be in</p>	

accordance with existing permit conditions. Water will be used for domestic purposes only, and will likely be required for less than 120 person-days per year.

5. TYPE OF PRIMARY UNDERTAKING (A supplementary questionnaire must be submitted with the application for undertakings listed in “**bold**”)

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

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

6. WATER USE

<input checked="" type="checkbox"/> To obtain water	<input type="checkbox"/> Flood control
<input type="checkbox"/> To cross a watercourse	<input type="checkbox"/> To divert 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"/> Other (describe): _____	

7. QUANTITY OF WATER INVOLVED (cubic metres per day including both quantity to be used and quality to be returned to source)

Water use 100m³/day or less
 Greater than 100m³/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

Water returned to source
 0 m³/day

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

<input type="checkbox"/> Sewage	<input type="checkbox"/> Waste oil
<input checked="" type="checkbox"/> Solid Waste	<input checked="" type="checkbox"/> Greywater
<input type="checkbox"/> Hazardous	<input type="checkbox"/> Sludges
<input checked="" type="checkbox"/> Bulky Items/Scrap Metal	<input type="checkbox"/> Other (describe): _____

All burnable solid waste will be incinerated in a 45 gallon burning barrel; less than 0.1 cubic meters per day. Non-burnable organic solid waste and ash from incinerated refuse will be buried; less than 0.1 cubic meters per day. Grey water will be leached into soil at a minimum distance of 100 meters from the nearest high water mark; less than 0.2 cubic meters per day. Metal, glass, and other non-burnable inorganic waste will be packed back to the main camp, and later shipped to Cambridge Bay, Nunavut, for disposal; less than 0.1 cubic meters per day.

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

DIAND Yes No If no, date expected March 1, 2010

Regional Inuit Association Yes No If no, date expected April 1, 2010

Commissioner Yes No If no, date expected _____

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

NIRB Screening Yes No If no, date expected _____

11. INUIT WATER RIGHTS

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?
No.

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

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

Dr. Gustaf Samelius
Grimsö Wildlife Research Station
Swedish University of Agricultural Sciences
Sweden
gustafsamelius@hotmail.com
field supervisor during May

Dr. Kiel Drake
Bird Studies Canada
Saskatoon, Saskatchewan
kdrake@bsc-eoc.org
field supervisor during August

Joshua White
South Dakota State University
Brookings, South Dakota
joshua.white@sdstate.edu
field supervisor during June and July in absence of Alisauskas/Kellett

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)
As per attached.

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) Yes No If no, date expected _____

Inuktitut and/or Inuinnaqtun/English Summary of Project Yes No If no, date expected _____

Application fee of \$30.00 (Payee Receiver General for Canada) Yes No If no, date expected _____

Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada) Yes No If no, date expected _____

15. PROPOSED TIME SCHEDULE (unless otherwise indicated, the NWB will consider the application for a five (5) year term)

one year or less (or) Multi Year

Start Date: May 1, 2010 Completion Date: August 31, 2015

Dr. Ray T. Alisauskas

Name (Print)

Research Scientist,
Environment Canada

Title (Print)

Signature

Date

R. Alisauskas 11 Jan 2010

For Nunavut Water Board office use only

APPLICATION FEE Amount: \$ _____ Pay ID No. _____

WATER USE DEPOSIT Amount: \$ _____ Pay ID No. _____