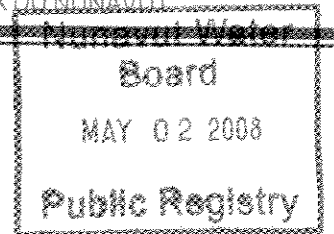


Effective June 16, 2006

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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)

58C-00A-0001

1. **NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE**  
  
Anthony Gaston, NWRC, Environment Canada, Carleton University, Ottawa K1A 0H3  
  
Phone: 613-998-9662  
Fax: 613-998-0458  
e-mail: tony.gaston@ec.gc.ca

2. **ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)**

Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
e-mail: \_\_\_\_\_

3. **LOCATION OF UNDERTAKING** (describe and attach a topographical map, indicating the main components of the Undertaking)

Latitude: (62°56'30" N) Longitude: (82°1'0" W)  
NTS Map Sheet No. 45J Scale: 1:250,000

4. **DESCRIPTION OF UNDERTAKING** (attach plans and drawings)

A small, seasonally occupied field camp about 5 km W of Cape Pembroke near the N coast of Coats Island. Consists of two plywood cabins occupied by a maximum of 6 people for 6-8 weeks annually since 1984

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

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

## 6.

- ☐
- Other (describe):

7.

☐ Greater than 100m<sup>3</sup>/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

0 m<sup>3</sup>/day

8.

- ☐ Waste oil  
☒ Greywater  
☐ Sludges  
☐ Other describe):sewage is disposed of in natural rock  
 from permanent water. solid waste taken to Iqaluit

9.

Commissioner ☐ Yes ☐ No If no, date expected

10.

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

## 11.

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?

Effective June 16, 2006

|  |  |
|--|--|
|  |  |
| 12. <b>CONTRACTORS AND SUB-CONTRACTORS</b> (name, address and functions)<br>One post-doctoral research scholar, one student and one assistant                            |  |
| 13. <b>STUDIES UNDERTAKEN TO DATE</b> (list and attach copies of studies, reports, research, etc.)<br>No studies relevant to this application - all involve marine birds |  |
| 14. <b>THE FOLLOWING DOCUMENTS <u>MUST</u> BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN</b>  |  |
| Supplementary Questionnaire (where applicable: see section 5)  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____ |
| Inuktitut and/or Inuinnaqtun/English Summary of Project  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____ |
| Application fee of \$30.00 (Payee Receiver General for Canada)   | <input type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____            |
| Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the <i>NWT Waters Regulations</i> ; Payee Receiver General for Canada)                              | <input type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____            |
| 15. <b>PROPOSED TIME SCHEDULE</b> (unless otherwise indicated, the NWB will consider the application for a five (5) year term)   |  |
| <input type="checkbox"/> one year or less (or) <input checked="" type="checkbox"/> Multi Year  |  |
| Start Date: <u>July 1, 2008</u> Completion Date: <u>August 21, 2012</u>  |  |

Anthony Gaston  
Name (Print)

Research Scientist, EC  
Title (Print)

  
Signature

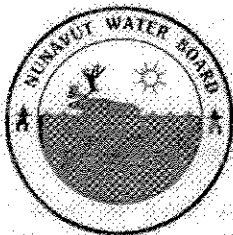
April 30, 2008  
Date

|   |                  |                   |  |
|---|------------------|-------------------|--|
| For Nunavut Water Board office use only |                  |                   |  |
| APPLICATION FEE                         | Amount: \$ _____ | Pay ID No.: _____ |  |
| WATER USE DEPOSIT                       | Amount: \$ _____ | Pay ID No.: _____ |  |

|  |
|--|
|  |
| <b>12. CONTRACTORS AND SUB-CONTRACTORS</b> (name, address and functions)<br>Environment Canada staff (1), student (1) volunteer (1), Inuit assistant (1)   |
| <b>13. STUDIES UNDERTAKEN TO DATE</b> (list and attach copies of studies, reports, research, etc.)<br>No studies relevant to this application - all involve marine birds   |
| <b>14. THE FOLLOWING DOCUMENTS <u>MUST</u> BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN</b><br><br>Supplementary Questionnaire (where applicable: see section 5) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____<br>Inuktitut and/or Inuinnaqtun/English Summary of Project <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____<br>Application fee of \$30.00 (Payee Receiver General for Canada) <input type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____<br>Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the <i>NWT Waters Regulations</i> ; Payee Receiver General for Canada) <input type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____ |
| <b>15. PROPOSED TIME SCHEDULE</b> (unless otherwise indicated, the NWB will consider the application for a five (5) year term)<br><div style="text-align: center;"> <input type="checkbox"/> one year or less    (or)    <input checked="" type="checkbox"/> Multi Year         </div> <div style="text-align: center;">           Start Date: <u>July 1, 2008</u> Completion Date: <u>August 21, 2012</u> </div>  |

|                                       |  |                    |                               |
|---------------------------------------|--|--------------------|-------------------------------|
| <u>Anthony Gaston</u><br>Name (Print) | <u>Research Scientist, EC</u><br>Title (Print) | _____<br>Signature | <u>April 30, 2008</u><br>Date |
|---------------------------------------|--|--------------------|-------------------------------|

|   |                  |                   |
|---|------------------|-------------------|
| For Nunavut Water Board office use only |                  |                   |
| <b>APPLICATION FEE</b>                  | Amount: \$ _____ | Pay ID No.: _____ |
| <b>WATER USE DEPOSIT</b>                | Amount: \$ _____ | Pay ID No.: _____ |



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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

Nunavut Water  
Board  
MAY 02 2008  
Public Registry

### EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: ANTHONY GASTON Licence No: \_\_\_\_\_  
(For NWB Use Only)

#### ADMINISTRATIVE INFORMATION

1. Environment Manager: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_
2. Project Manager: Sawa Tel: 43-118-1662 Fax: 918-8458 E-mail: tony.gaston@ec.gc.ca
3. Does the applicant hold the necessary property rights? YES COATS ISLAND
4. Is the applicant an "operator" for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. NO
5. Duration of the Project:  
☐ One year or less Start and completion dates: \_\_\_\_\_  
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: 10 JULY 2008 Completion: 20 AUG 2008 ANNUALLY, ONGOING

#### CAMP CLASSIFICATION

6. Type of Camp:  
☐ Mobile (self-propelled)  
☐ Temporary  
☒ Seasonally Occupied: 6 WEEKS  
☐ Permanent  
☐ Other: \_\_\_\_\_

7. What is the design, maximum and expected average population of the camp?

AVERAGE 4 (3-6)

8. Provide history of the site if it has been used in the past.

RESEARCH SITE SINCE 1984, CABIN IN PLACE SINCE 1989

## CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.

ON TOP OF SMALL RIDGE FALLING AWAY TO THE SEA ON N and E SIDES. SMALL POND (20m x 10m), SEASONALLY DRYING 150m TO S. OF CAMP. SEASONAL SNOW-MELT STREAM 100m S OF CAMP.

10. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs.

LONG-TERM SITE FOR BANDING AND OBSERVING SEABIRDS. PLACED ON HILL-TOP TO AVOID BEAR INTERACTIONS

11. Is the camp or any aspect of the project located on:

|                                     |                     |                                      |
|-------------------------------------|---------------------|--------------------------------------|
| <input type="checkbox"/>            | Crown Lands         | Permit Number (s)/Expiry Date: _____ |
| <input type="checkbox"/>            | Commissioners Lands | Permit Number (s)/Expiry Date: _____ |
| <input checked="" type="checkbox"/> | Inuit Owned Lands   | Permit Number (s)/Expiry Date: _____ |

12. Closest Communities (direction and distance in km):

CORAL HARBOUR, 120 KM NNW

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?

YES, OFTEN

14. Will the project have impacts on traditional water use areas used by the nearby communities?  
Will the project have impacts on local fish and wildlife habitats?

NO

## PURPOSE OF THE CAMP

15. ☐ Mining (includes exploration drilling)  
☒ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)  
(Omit questions # 16 to 21)  
☐ Other \_\_\_\_\_

16. Activities (check all applicable)

|                          |                        |
|--------------------------|------------------------|
| <input type="checkbox"/> | Preliminary site visit |
| <input type="checkbox"/> | Prospecting            |
| <input type="checkbox"/> | Geological mapping     |
| <input type="checkbox"/> | Geophysical survey     |
| <input type="checkbox"/> | Diamond drilling       |

- ☐ Reverse circulation drilling
- ☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ☐ Other: \_\_\_\_\_

17. Type of deposit (exploration focus):

- ☐ Lead Zinc
- ☐ Diamond
- ☐ Gold
- ☐ Uranium
- ☐ Other: \_\_\_\_\_

## DRILLING INFORMATION

18. Drilling Activities

- ☐ Land Based drilling
- ☐ Drilling on ice

19. Describe what will be done with drill cuttings?

20. Describe what will be done with drill water?

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable.

22. Will any core testing be done on site? Describe.

NO

## SPILL CONTINGENCY PLANNING

23. The proponent is required to have a site specific Spill Contingency Plan prepared and submitted with the application This Plan should be prepared in accordance with the *NWT Environmental Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998* and *A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002*. Please include for review.

see attached

24. How many spill kits will be on site and where will they be located?

ONE, CABIN

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.

3 25 L J-CANS GASOLINE  
3 25 L J-CANS KEROSENE  
3 20 lb PROPANE CYLINDERS

#### WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

MELT-WATER FROM STREAM 100 m from CABIN USED UNTIL IT DRIES UP. THEREAFTER, WATER HAULED IN PLASTIC BARRELS FROM LAKE 1 KM SE OF CAMP

27. Estimated water use (in cubic metres/day):

☒ Domestic Use: 0.08/day max Water Source: STREAM or LAKE  
☐ Drilling: \_\_\_\_\_ Water Source: \_\_\_\_\_  
☐ Other: \_\_\_\_\_ Water Source: \_\_\_\_\_

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? (see DFO 1995, *Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:

N/A

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?

N/A

30. Will drinking water be treated? How?

NO

31. Will water be stored on site?

YES, 40 L BARRELS



## WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:

☐ Camp Sewage (blackwater)

DISPOSED IN ROCK CREVICE 150 m FROM CAMP, > 150 m FROM PERMANENT WATER

☐ Camp Greywater ABOUT 10 L / DAY

SUMP DUG 1 m DEEP > 100 m FROM WATER

☐ Solid Waste

COMBUSTIBLES BURNED, FOOD WASTE BURIED ON BEACH, OTHER WASTE → IQALUIT

☐ Bulky Items/Scrap Metal

SENT TO IQALUIT FOR DISPOSAL

☐ Waste Oil/Hazardous Waste 1-2 L / YEAR

REMOVED TO IQALUIT FOR DISPOSAL

☐ Empty Barrels/Fuel Drums

NO FUEL DRUMS USED

☐ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?

BURNING PERFORMED IN PIT AT SHORE

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?

ONLY SMALL QUANTITIES OF NON-COMBUSTIBLES - MAINLY CANS, ABOUT 10 KG / YEAR, TAKEN TO IQALUIT DUMP

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).

SUMP > 150 m FROM PERMANENT WATER, VOLUME 200 L

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?

NO

## OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?

N/A SIMILAR TO CAMPING

## ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

LONG-TERM RESEARCH SITE; DISTURBANCE KEPT TO MINIMUM

## BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

- ☐ Physical Environment (Landscape and Terrain, Air, Water, etc.)
- ☒ Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
- ☐ Socio-Economic Environment (Archaeology, Land and Resources Use,
- ☐ Demographics, Social and Culture Patterns, etc.)
- ☐ Other: \_\_\_\_\_

## REGULATORY INFORMATION

40. At a minimum, you should ensure you have a copy of and consult the documents below for compliance with existing regulatory requirements:

- ✓ ARTICLE 13 -- NCLA -Nunavut Land Claims Agreement
- ✓ NWNSRTA -- The Nunavut Waters and Nunavut Surface Rights Tribunal Act, 2002
- ✓ Northwest Territories Waters Regulations, 1993
- ✓ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ✓ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ✓ RWED -- Environmental Protection Act, R-068-93- Spill Contingency Planning and Reporting Regulations, 1993
- ✓ RWED A Guide to the Spill Contingency Planning and Reporting Regulations, 2002
- ✓ NWTWB - Guidelines for Contingency Planning
- ✓ Canadian Environmental Protection Act, 1999 (CEPA)
- ✓ Fisheries Act, RS 1985 - s.34, 35, 36 and 37
- ✓ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ✓ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT