



Effective June 16, 2006

P.O. Box 119  
GJOA HAVEN, NU X0B 1J0  
TEL: (867) 360-6338  
FAX: (867) 360-6369

INK5 wmoEp5 vtmppq  
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)

**1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE**

Department of National Defence  
1 Canadian Air Division  
A4 Construction Engineering  
PO Box 17000 Stn Forces  
Winnipeg, MB  
R3J 3Y5

Phone: 204-833-2500

Fax: 204-833-2566

e-mail: Kenneth.Simonite@forces.gc.ca

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

Department of National Defence  
1 Canadian Air Division  
A4 Construction Engineering  
PO Box 17000 Stn Forces  
Winnipeg, MB  
R3J 3Y5

Phone: 204-833-2500

Fax: 204-833-2566

e-mail: Kenneth.Simonite@forces.gc.ca

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

**Iqaluit Locations:**

Latitude: (63°45' 48" N)      Longitude: (68° 34' 14" W)  
and Latitude: (63° 45' 4"N)      Longitude: (68° 32' 34" W)

**Rankin Inlet Locations:**

Latitude (62° 48' 50" N)      Longitude: (92° 07' 18" W) and  
Latitude: (62°48'54" N)      Longitude: (92°7'33" W)

NTS Map Sheet No. \_\_\_\_\_ Scale: \_\_\_\_\_

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

Aircraft Arrestor System Concrete Pads:

**BACKGROUND:**

Aircraft Arresting Systems (AAS) consist of cross-runway engaging devices with energy absorbers designed to safely arrest tail hook equipped aircraft during emergencies and tactical operations. The CF188 is the primary combat capability aircraft of the Canadian Air Force and Canada's only means of exercising active surveillance and control over unwanted activities in domestic and international



Effective June 16, 2006

P.O. Box 119  
GJOA HAVEN, NU X0B 1J0  
TEL: (867) 360-6338  
FAX: (867) 360-6369

INKS wmuEp5 vtmpq  
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)

**1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE**

Department of National Defence  
1 Canadian Air Division  
A4 Construction Engineering  
PO Box 17000 Stn Forces  
Winnipeg, MB  
R3J 3Y5

Phone: 204-833-2500  
Fax: 204-833-2566  
e-mail: Kenneth.Simonite@forces.gc.ca

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

Department of National Defence  
1 Canadian Air Division  
A4 Construction Engineering  
PO Box 17000 Stn Forces  
Winnipeg, MB  
R3J 3Y5

Phone: 204-833-2500  
Fax: 204-833-2566  
e-mail: Kenneth.Simonite@forces.gc.ca

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

**Iqaluit Locations:**

Latitude: (63°45' 48" N)      Longitude: (68° 34' 14" W)  
and Latitude: (63° 45' 4"N)      Longitude: (68° 32' 34" W)

**Rankin Inlet Locations:**

Latitude (62° 48' 50" N)      Longitude: (92° 07' 18" W) and  
Latitude: (62°48'54" N)      Longitude: (92°7'33" W)

NTS Map Sheet No. \_\_\_\_\_ Scale: \_\_\_\_\_

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

Aircraft Arrestor System Concrete Pads:

**BACKGROUND:**

Aircraft Arresting Systems (AAS) consist of cross-runway engaging devices with energy absorbers designed to safely arrest tail hook equipped aircraft during emergencies and tactical operations. The CF188 is the primary combat capability aircraft of the Canadian Air Force and Canada's only means of exercising active surveillance and control over unwanted activities in domestic and international

airspace.

The requirement to maintain AAS on Air Force bases is specified in the Aircraft Operating Instructions C-12-188-NFM/MC-001: "the compulsory use of AAS is required for certain aircraft emergencies such as loss of directional control, planning link failures, brake problems and blown tires on take off and landing." AAS are also required during training by Canadian and foreign Air Forces towards North Atlantic Treaty Organization (NATO)/North American Aerospace Defense (NORAD) combat ready status. Without the availability of this equipment, safe air operations could be compromised and could potentially result in the loss of life and aircraft. Canada is a signatory to the Air and Space Interoperability Council (ASIC) for Air Standards and Standardization Agreement (STANAGS) outlining provisions of AAS services. As a signatory, Canada is committed to meeting these standards.

#### UNDERTAKING:

AAS systems located at Canadian Forces Forward Operating Locations (FOLs) in Iqaluit, NU and Rankin Inlet, NU require the construction of four concrete pads (at each FOL). These pads will function as the foundation for Mobile Aircraft Arrestor Systems (MAAS). Each pad is to provide a suitable surface to bolt the MAAS into place with minimal tools and in minimum time. The pads shall be constructed parallel to the runway, approximately 100 – 150 feet (30 – 45 m) from the edge of the runway. The pads will be constructed of reinforced concrete and they will be substantially flush with the surrounding airfield terrain. Anchor nuts will be embedded in the concrete in designed locations to expedite the bolting of the MAAS and the nuts will be of such design that they will be sealable when not in use and flush with the concrete surface. The footprint of each pad will be 11.4 square meters.

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

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

1. Airfield pad construction.

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

**6. WATER USE**

- ☐ To obtain water
 ☐ Flood control  
☐ To cross a watercourse
 ☐ To divert a watercourse  
☐ To modify the bed or bank of a watercourse
 ☐ To alter the flow of, or store, water  
☒ Other (describe): To use water for the purpose of making concrete for the construction of concrete pads.

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

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

**Water returned to source**  
100 or less m<sup>3</sup>/day

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

- ☐ Sewage
 ☐ Waste oil  
☒ Solid Waste
 ☐ Greywater  
☐ Hazardous
 ☐ Sludges  
☒ Bulky Items/Scrap Metal
 ☐ Other describe):

1. Waste concrete and construction debris from the construction of the concrete pads.

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

DIAND ☐ Yes ☐ No If no, date expected \_\_\_\_\_

Regional Inuit Association ☐ Yes ☐ No If no, date expected \_\_\_\_\_

Commissioner ☐ Yes ☐ No If no, date expected \_\_\_\_\_

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

Minimal impacts from air emissions and noise from the operation of construction vehicles. Mitigation is to turn off vehicles when not in use. To protect terrain, vehicles will utilize established roads, runways and taxiways as much as possible. Terrain and vegetation will be restored to pre-construction conditions.

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)

To be determined.

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

Not applicable.

**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 Upon receipt of invoice.

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 Upon receipt of invoice

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

☒ one year or less (or) ☐ Multi Year

Start Date: No date set however it is anticipated that the work will occur in 2012, with completion in the same year. Completion Date: 2012

DL Scott Edwards

A4 CE Environment &  
Hazardous Materials

May 17, 2010

Name (Print)

Title (Print)

Signature

Date

For Nunavut Water Board office use only

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

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