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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYIT

OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR APPROVAL FOR THE USE OF WATER OR DEPOSIT OF WASTE WITHOUT A LICENCE

Refer to the Guide to the Approval for the Use of Water or Deposit of Waste Without a Licence (Guide) in completing this Application.

APPLICATION NO: (for NWB use only)	
1. APPLICANT CONTACT INFORMATION (name, address) Brigadier General Mike Nixon Commander, Joint Task Force (North) Evans Building 4816, 49 Street Yellowknife, Northwest Territories X1A 2R3 Francis.Dion1@forces.gc.ca (867) 873-0700 Ext 6880	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Captain Andrew Ngo Northern Coordinator P.O Box 10500 Station Forces Edmonton, Alberta T5J 4J5 andrew.ngo@forces.gc.ca (780) 973-4011 Ext 8049
3. NAME OF THE OWNER OF THE LAND THAT WILL BE USED IN RELATION TO THE WATER TO BE USED OR THE WASTE TO BE DEPOSITED Crown Land, Resolute Municipal Land, National Hall Beach Municipal Land, Inuit Owned Land, Natural Resources Canada	

4. NAME OF PROJECT (consistent with the name of the project issued by other regulatory agencies) OPERATION NUNALIVUT 2017																		
5. LOCATION OF UNDERTAKING Project Extents (decimal degree format) <table border="1"> <thead> <tr> <th colspan="4">Op Box Corner Coordinates</th> </tr> <tr> <th>OP Box</th> <th>Corner</th> <th>Latitude (DD)</th> <th>Longitude (DD)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Hall Beach Op Box</td> <td>S/W</td> <td>67.348149</td> <td>-90.113822</td> </tr> <tr> <td>N/W</td> <td>70.023722</td> <td>-89.964177</td> </tr> <tr> <td>N/E</td> <td>70.023722</td> <td>-76.102263</td> </tr> </tbody> </table>	Op Box Corner Coordinates				OP Box	Corner	Latitude (DD)	Longitude (DD)	Hall Beach Op Box	S/W	67.348149	-90.113822	N/W	70.023722	-89.964177	N/E	70.023722	-76.102263
Op Box Corner Coordinates																		
OP Box	Corner	Latitude (DD)	Longitude (DD)															
Hall Beach Op Box	S/W	67.348149	-90.113822															
	N/W	70.023722	-89.964177															
	N/E	70.023722	-76.102263															

Resolute Diver Op Box	S/E	66.640849	-76.102263
	SW	74.604217	-97.253606
	NW	75.767951	-96.940496
	N/E	75.682621	-92.276800
	S/E	74.600609	-90.927405

Note: The above coordinates encompasses two operational boxes (Op Box) proposed for Operation Nunavut 2017 in the vicinity of Resolute and Hall Beach Rankin Inlet.

Camp Location(s) (decimal degree format)

There is no intent to establish overnight camps for this Operation, however if weather and/or safety concerns dictate a camp(s) is required then the location(s) will be indicated on the In/Out Clearance Report(s) complete with pictures displaying conditions before and after establishing per standard operating procedures.

Name of the Water Management Area in which the Undertaking is located. (Please see Appendix D of the Guide):

- 19 – Barrow Watershed
- 20 – Kingora Watershed
- 34 – Gulf of Boothia Watershed
- 55 – Bathurst and Cornwallis Islands Watershed
- 56 – Western Devon Island Watershed

6. Previous Approvals or Licences Associated with Undertaking ("Type A", "Type B" or Approval Without a Licence)

☒ **NA or**

Previous Licence/Approval Number: _____

The Board reminds the Applicant that as stated in s. 46 of the NWNSRTA, the expiry or cancellation of any previous licence does not relieve the holder from any outstanding obligations imposed under the licence.

7. **CLASSIFICATION OF UNDERTAKING** - Indicate the classification of undertaking by checking one of the following boxes.

☐ Industrial
☐ Mining
☐ Conservation
☐ Municipal

☐ Agricultural
☐ Recreational
☐ Power
☒ Other: (describe)

Military Operation - Establishment of temporary field dive on sea ice near Resolute and if required field camp sites, if required due to safety and weather concerns in the vicinity of Hall Beach

See Appendix C of the Guide for descriptions of classifications of undertakings.

8. **DESCRIPTION OF UNDERTAKING AND EQUIPMENT USED** - Provide a brief description of the undertaking including a description of any equipment that will be used in using water or depositing waste.

OPERATION NUNALIVUT 2017
NON-TECHNICAL PROJECT SUMMARY

Joint Task Force (North) (JTFN) will conduct Operation NUNALIVUT 2017 (OP NU 17) from 13 February to 17 March, 2017 in the Arctic, based out of Resolute Bay and Hall Beach, Nunavut. The overall aim is to further enhance the Canadian Armed Forces' (CAF) knowledge and capacity to operate in austere locations and challenging environments, while allowing the CAF to demonstrate their ability to effectively respond to safety and security issues in the North.

Op NUNALIVUT 17 will be conducted with patrols on the land, on the sea ice, underwater and in the air. It will consist of approximately 290 CAF personnel, and may feature observation by international partners. To facilitate the conduct of OP NU 17, JTFN will establish a Task Force Headquarters in Hall Beach consisting of approximately 30 members with an additional 25 support personnel.

A Canadian Army Company will be supported by members of 1 Canadian Ranger Patrol Group (1 CRPG) for a total of approximately 175 personnel. Patrols will be performed on the sea ice in the vicinity of Hall Beach, conducting training in Arctic survival skills and patrol Canadian Territory. The Company plans to conduct a live fire exercise and for training purposes only, to deploy unmanned aerial vehicles (UAV) near Hall Beach. 1 CRPG members will deploy to Hall Beach in 4 groups of approximately 10 personnel via ground and air movements from the following communities: Taloyoak (by air), Kugaaruk, Repulse Bay and Igloolik to link up with Hall Beach 1 CRPG members.

A Dive Team consisting of approximately 60 personnel from the Royal Canadian Navy's Fleet Diving Unit (Atlantic) will be conducting both dive operations on the sea ice near Resolute, Nunavut. In addition, the Dive Team will evaluate its cold weather diving ensembles and ice diving tactics, techniques and procedures.

CC138 Twin Otter and CC-130 Hercules aircraft, along military helicopters based in Hall Beach,

At this time, international participation within Op NU 17 is unlikely; however a small number of international military members may observe the operation.

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9. **SCHEDULE** – Applicants are advised that approvals without a license are issued for a one year term.

Proposed Start Date: February/2017 Proposed Completion Date: March/2017
(Month/Year) (Month/Year)

10. **TYPE OF USE OF WATER WITHOUT A LICENCE PROPOSED** - Check the box that applies to the type of water use proposed. If none of the water uses listed below applies to the proposed water use, an application for a water licence will be required. See the NWB's Guide 4 – Completing and Submitting a Water Licence Application for a New Licence.

- ☐ For an undertaking other than a Power undertaking and for a use of water related to the construction of a structure across a watercourse that is less than 5 metres wide at the ordinary high water mark at the point of construction.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the training of an intermittent watercourse.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the training of a watercourse that involves the infilling of the watercourse, if the watercourse has no inflow or outflow and a surface area of less than 0.5 hectares.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the training of a watercourse that involves removal or placement of less than 100 m³ of material.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the construction of a temporary structure in a watercourse for the purpose of flood control.
- ☐ For an undertaking other than a Power undertaking and for any use of water related to the storage of 2,500 m³ or less.
- ☒ For an undertaking other than a Power undertaking and for any use of water less than 50 m³ per day.

11. **QUANTITY AND QUALITY OF WATER INVOLVED** - For each type of water use indicated in Block 10, provide the source of water, the estimated quantity to be used in cubic metres per day, and the periods during which water will be extracted.

Type of Water Use indicated in Block 10	Name of water source	Estimated quantity of water to be used in cubic metres per day	Periods during which water will be extracted
Less than 50 m ³	Resolute Bay and Hall Beach municipal water supply systems	1 m ³ maximum at each location	Daily

12. TYPE OF DEPOSIT OF WASTE PROPOSED - Check the box that applies to the type of deposit of waste proposed. If none of the deposits of waste listed below apply to the proposed deposit of waste, an application for a water licence will be required. See the NWB's Guide 4 – Completing and Submitting a Water Licence Application for a New Licence.

- ☐ For an Industrial undertaking, for an activity related to hydrostatic testing or cleaning of storage tanks and pipelines, and for any deposit of waste resulting from hydrostatic testing or cleaning of unused storage tanks or pipelines.
- ☐ For an Industrial undertaking, for an activity related to quarrying and gravel washing, and for any deposit of waste that is not deposited to surface water and that results from quarrying or gravel washing above the ordinary high water mark.
- ☐ For a Mining undertaking, for an activity related to exploratory work, any deposit of sewage to a sump.
- ☐ For a Power undertaking, any deposit of sewage to a sump.
- ☐ For an Agricultural undertaking, any deposit of sewage to a sump.
- ☐ For a Conservation undertaking, any deposit of sewage to a sump.
- ☐ For a Recreation undertaking, any deposit of sewage to a sump.
- ☒ For any Other type of undertaking not listed above, other than Municipal, any deposit of sewage to a sump.

13. QUANTITY AND QUALITY OF WASTE INVOLVED – For each type of waste indicated in Block 11, describe the quantity in cubic metres/day, measures to avoid or mitigate adverse impacts, and periods of deposition.

Type of Waste indicated in Block 12	Quantity to be deposited in cubic metres per	Measures to avoid or mitigate any adverse impacts	Periods during which waste will be deposited
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	day		
Sewage (human waste)	0.1 m ³	Human waste produced in the field will be collected (bagged) and returned to the main camp location for proper disposal.	13 Feb - 17 Mar, 2017
Greywater	0.1 m ³	Greywater produced at temporary camp sites, is anticipated to be minimal where use of water will be mostly for personal consumption (drinking and cooking). Greywater produced at Hall beach and CAFATC (Resolute Bay) will be disposed of via existing infrastructure.	13 Feb - 17 Mar, 2017
Combustible Waste	0.1 m ³	All combustible waste produced in the field will be returned to the nearest settlement for proper disposal by contract.	13 Feb - 17 Mar, 2017
Non-Combustible Waste	0.1 m ³	All non-combustible waste produced in the field will be returned to the nearest community for disposal by contract.	13 Feb - 17 Mar, 2017
Hazardous (petroleum product containers, batteries, etc.)	Less than 0.1 m ³	To be collected and transported to main camp location for proper disposal in accordance with territorial regulations.	13 Feb - 17 Mar, 2017

14. SIGNATURE

I, **Brigadier General Mike Nixon** (print name) certify that the information given on this form is, to the best of my knowledge, correct and complete.

☒ Yes

☐ No

OR

I, _____ (print name), as an authorized representative of the Applicant, _____, certify that the information given on this form is, to the best of my knowledge, correct and complete.

☐ Yes

☐ No

I certify that the Nunavut Planning Commission's land use planning requirements under Article 11 of the Nunavut Land Claims Agreement have been met.

☒ Yes

☐ No

I certify that the Nunavut Impact Review Board's development impact review requirements under Article 12 of the NLCA have been met.

☒ Yes

☐ No

I certify that the proposed water use is of a type set out in column 2 of Schedule 2 of the Regulations that is further specified by column 3, in respect of an undertaking set out in column 1. See list in Block 9.

☒ Yes

☐ NA

☐ No

I certify that the proposed deposit of waste is an activity that is set out and then further specified in columns 2 and 3 of Schedule 3 of the Regulations, in respect of an undertaking that is set out in column 1 of Schedule 3. See list in Block 11.

☒ Yes

☐ NA

☐ No

I certify that the proposed water use or deposit of waste will not substantially affect the quality, quantity or flow of the watercourse whose waters are used.

☒ Yes

☐ No

I certify that the proposed water use or deposit of waste will not substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Lands.

☒ Yes

☐ No

I certify that the proposed water use or deposit of waste will not affect the use of waters by a person who would be entitled to compensation under sections 58 or 60 of the Nunavut Waters Nunavut Surface Rights Tribunal Act (Act) if their use of these waters were to be adversely affected by an applicant for a licence.

☒ Yes

☐ No

I certify that a licence is not required for another use of water, or deposit of waste in respect of the proposed undertaking.

☒ Yes

☐ No

I have read and agree to comply with the following conditions outlined in sections 4(3), 5(4), 5(5) and 6 of the Nunavut Waters Regulations:

1. In the case of an applicant who has a mineral right and who intends to use waters or deposit waste in relation to that right, the applicant shall respect the priority conferred on Inuit by section 62 of the Act as if that applicant had a licence for the use or deposit.
2. Measures must be taken prior to using water to minimize any alteration to the bed or banks of a watercourse whose waters are to be used, and the measures shall be maintained during the operation of the undertaking.
3. No waste is to be deposited to surface water or within 31 metres of the ordinary high water mark of any body of water.
4. The waste shall not contain more than 15 milligrams per litre of petroleum or petroleum product and must not have a visible hydrocarbon sheen.
5. Prior to the closure or abandonment of the undertaking or end of the period authorized for the use of water or deposit of waste without a licence, whichever occurs first, the site shall be restored — to the extent practicable — to the state in which it was before the water was used or the waste was deposited.^a
6. An applicant who is authorized under the Regulations to use waters or deposit waste without a licence shall:
 - a. maintain accurate and detailed books and records of:
 - i. the quantity of water, in cubic metres, used each day,
 - ii. the quantity, in cubic metres, of waste deposited each day,

- iii. the type of waste deposited each day,
 - iv. where the waste is deposited,
 - v. the concentration of the substance, or substances, in the deposited solid or liquid that has the effect of making the deposit waste,
 - vi. the methodology used to calculate or determine the information referred to in items (i) to (iv), and
 - vii. the measures that were taken to avoid or mitigate any adverse impacts of the deposit of waste.
- b. keep the books and records on the site of the undertaking during the period of its operation and make them available during that period to an inspector on request;
 - c. submit to the Board a report containing a summary description and supporting photographs of the restoration of the site of the undertaking within 30 days after the earliest of (i) the day on which the undertaking is closed or abandoned, and (ii) the last day of the period authorized for the use or deposit without a licence;^b and
 - d. keep the books and records for two years after submitting the report describing the restoration of the site of the undertaking.

Notes:

a) A site need not be restored prior to the end of the period authorized for the water use or deposit of waste without a licence, as required by Item 5, if the Board issues a licence for the use of water or deposit of waste on that site prior to the end of that period.

b) An applicant need not submit the report referred to in Item 6 (c), to the Board if the applicant obtains the Board's approval for a use of water or deposit of waste without a licence, or a licence for a use of water or deposit of waste, on the same site within thirty (30) days after the last day of the period authorized for the use or deposit.

☒ Yes

☐ No

I understand that any approval granted by the Board for the use of water or deposit of waste without a licence will be authorized for a period of one year after the day on which the Board approves the Application. The use or deposit is not authorized until the Board approves the Application and it is only valid as long as the applicant is in compliance with the conditions set out in the declaration above.

☒ Yes

☐ No


I understand that if I have answered "No" to any of the above statements a water licence is required from the Nunavut Water Board prior to the use of water or deposit of waste.

☒ Yes

☐ No

Brigadier General Mike Nixon
Name (Print)

Commander
Joint Task Force (North)
Title (Print)


Signature

16 Dec 16
Date

