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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 P.O. Box 6666 Station Main Yellowknife, NT X1A 2R3	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, Rankin Inlet Municipal Land, Inuit Owned Land																	
4. NAME OF PROJECT (consistent with the name of the project issued by other regulatory agencies) OPERATION NANOOK 2016																	
5. LOCATION OF UNDERTAKING Project Extents (decimal degree format) <table border="1"> <thead> <tr> <th>Maximum</th> <th>Lat: DD</th> <th>Long: DD</th> </tr> </thead> <tbody> <tr> <td>NW</td> <td>N 63.59012</td> <td>W 92.87293</td> </tr> <tr> <td>SW</td> <td>N 62.42853</td> <td>W 92.87293</td> </tr> <tr> <td>NE</td> <td>N 63.59012</td> <td>W 90.54932</td> </tr> <tr> <td>SE</td> <td>N 62.42853</td> <td>W 90.54932</td> </tr> </tbody> </table> <p>Note: The above coordinates encompasses the four operational boxes (Op Box) proposed for Operation Nanook 2016 in the vicinity of Rankin Inlet. Each individual Op Box coordinates are detailed below:</p>			Maximum	Lat: DD	Long: DD	NW	N 63.59012	W 92.87293	SW	N 62.42853	W 92.87293	NE	N 63.59012	W 90.54932	SE	N 62.42853	W 90.54932
Maximum	Lat: DD	Long: DD															
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SW	N 62.42853	W 92.87293															
NE	N 63.59012	W 90.54932															
SE	N 62.42853	W 90.54932															

Op Box: Rankin Inlet (N)	Lat: DD	Long: DD
NW	N 63.29664	W 90.60425
SW	N 62.84512	W 92.03796
NE	N 63.26577	W 91.97205
SE	N 62.77861	W 90.54932

Op Box: Rankin Inlet (S)	Lat: DD	Long: DD
N	N 62.87018	W 92.38403
S	N 62.42853	W 92.24671
W	N 62.71446	W 92.87293
E	N 62.58828	W 91.81274

Op Box: Rankin Inlet (C)	Lat: DD	Long: DD
NW	N 62.842182	W 92.126964
SW	N 62.822901	W 92.196144
NE	N 62.864113	W 92.209362
SE	N 62.860589	W 92.117008

Op Box: Chesterfield Inlet	Lat: DD	Long: DD
W	N 63.470809	W 91.367879
S	N 63.333658	W 91.026788
E	N 63.418317	W 90.872121
N	N 63.590120	W 91.524355

Camp Location(s) (decimal degree format)

Bivouac Sites	Degrees
Rankin Inlet	N 62.802951 W 92.099593
Op Box Rankin Inlet (N)	TBD: as indicated on In/Out Clearance Report
Op Box Rankin Inlet (C)	TBD: as indicated on In/Out Clearance Report
Op Box Rankin Inlet (S)	TBD: as indicated on In/Out Clearance Report
Op Box Chesterfield Inlet	TBD: as indicated on In/Out Clearance Report

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

10 – Chesterfield Inlet Watershed
13 – Wilson Watershed

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

- ☐ Industrial
☐ Mining
☐ Conservation
☐ Municipal

- ☐ Agricultural
☐ Recreational
☐ Power
X Other: (describe)

Military Operation - Establishment of temporary field camps

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

7. 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 NANOOK 2016 NON-TECHNICAL SUMMARY

GENERAL

Operation NANOOK 2016 is the centerpiece of three sovereignty operations conducted annually by the Canadian Armed Forces (CAF) in Canada's North in August. Operation (Op) NANOOK 2016 is also the key whole of government (WoG) operation for the North, and provides the opportunity to strengthen links with WoG partners, enhancing cooperation and facilitating CAF support in response to future threats and hazards. The engagement of WoG partners provides other departments and agencies the opportunity to examine their own plans, processes and relationships. This year's Operation NANOOK will be conducted from 01 August to 25 September out of Whitehorse, Haines Junction and Rankin Inlet and will feature two scenarios. In the first scenario, deployed CAF forces will respond to a major earthquake in conjunction with our Northern Partners. In the second scenario, CAF personnel, ships and aircraft will conduct a combat scenario in vicinity of Rankin Inlet. CAF assets will conduct patrols, training and simulated combat exercises. There will be significant command, control and support activities operating out of Whitehorse. These will occur in military and rented facilities as well as a temporary camp.

WHITEHORSE

The Yukon portion of OP NANOOK will be supported out of Whitehorse. The bulk of activities will occur at the Cadet Camp, the Canada Games Center, the Takhini Arena and the Aklavik Air Hanger at the Whitehorse Airport. An advance party will arrive at the community beginning 01 August 2016 to begin preparations for Op NANOOK.

Command and control of the Yukon will be out of the Canada Games Center in Whitehorse with the airport acting as the hub for support of this operation. The Air Task Force (ATF) which will include a C-177 Globemaster and C-130 Hercules for airlift into and out of Whitehorse, and CH-146 Griffon, CH-147 Chinook helicopters, and CC-138 Twin-Otters for transportation of personnel and supplies to and from remote sites. This may include helicopter slinging operations. Military personnel will use the Cadet Camp for accommodations and eating. The existing infrastructure will be augmented with a tented camp at the Cadet Camp. The Takhini Arena is also planned for use as additional bed space for influx of transient personnel. Divers will conduct an underwater inspection of the Robert Campbell Bridge.

HAINES JUNCTION

Haines Junction will serve as a Forward Operation Base (FOB) for an army company. The company headquarters will operate out of mezzanine in the Bill Brewster Arena. Elements of the ATF will operate out of the Parks Canada farm site. The main accommodation will be at the Wildland Fire site. Tasks in the local area will include bridging operations, the setting up of a Reverse Osmosis Water Purification Unit (ROWPU) and day patrols.

RANKIN INLET

Command and control of the portion of the operation that will occur in Nunavut will be out of the Forward Operation Location (FOL) in Rankin Inlet with the airport acting as the hub for support of this operation. An army company will operate from the FOL in Rankin Inlet. They will move ashore with a combination of Rigid Hull Inflatable Boat (RHIB) and aircraft to establish a platoon camp near Chesterfield Inlet and conduct dismounted patrols within the local area.

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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.

- 10. QUANTITY AND QUALITY OF WATER INVOLVED** - For each type of water use indicated in Block 9, 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 9	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	Rankin Inlet municipal water supply system	1 m ³ maximum	Daily

- 11. 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.

12. 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 11	Quantity to be deposited in cubic metres per day	Measures to avoid or mitigate any adverse impacts	Periods during which waste will be deposited
Sewage (human waste)	0.25 m ³	Human waste produced in the field will be collected (bagged) and returned to the main camp location for proper disposal.	18 - 30 Aug, 2016
Greywater	0.5 m ³	Greywater produced at camp locations will be disposed of via contracted disposal into existing infrastructure.	18 - 30 Aug, 2016
Combustible Waste	1 m ³	All combustible waste produced in the field will be returned to Main Camp for proper disposal.	18 - 30 Aug, 2016
Non-Combustible Waste	0.25 m ³	All non-combustible waste produced in the field will be returned to the nearest community for disposal by contract into municipal facilities.	18 - 30 Aug, 2016
Hazardous (petroleum product containers, batteries, etc.)	Less than 0.01 m ³	To be collected and transported to main camp location for proper disposal in accordance with territorial regulations.	18 - 30 Aug, 2016

13. 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

Commander
Joint Task Force North

Name (Print)

Title (Print)

Signature

Date