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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYIT

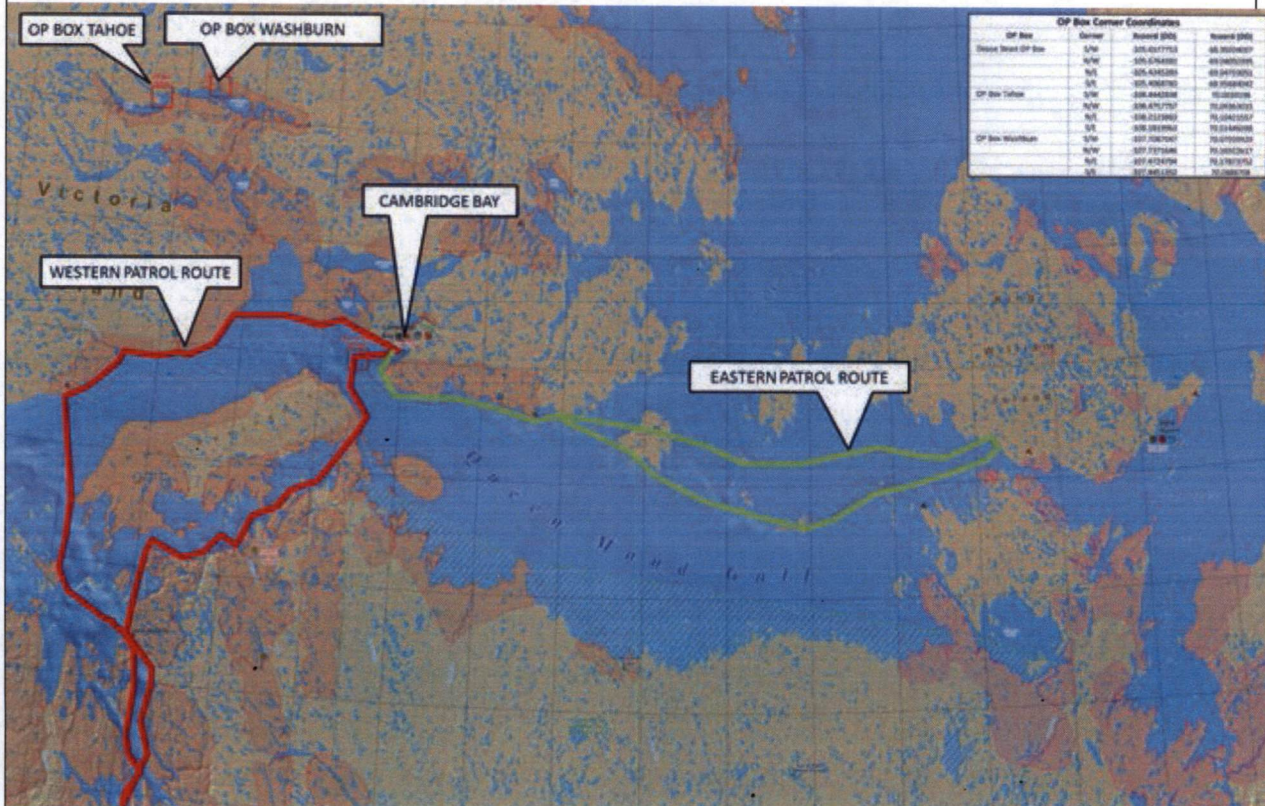
OFFICE DES EAUX DU NUNAVUT

**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) Colonel Derek Macaulay Commander 3 rd Canadian Division Support Group CFB/ASU Edmonton P.O. Box 10500 Station Forces Edmonton, Alberta T5J 4J5 On behalf of : Brigadier-General Gregory Loos Commander Joint Task Force (North) Evans Building 4816, 49 th Street Yellowknife, Northwest Territories X1A 2R3	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Mike Gray Michael.gray@forces.gc.ca (780) 973-4011 Ext 8047 Capt Graham Macmillan Graham.Macmillan@forces.gc.ca (867) 873-0700 Ext 6880
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, Sea ice, Cambridge Bay Hamlet Municipal land and Inuit owned land	
4. NAME OF PROJECT (consistent with the name of the project issued by other regulatory agencies) Operation NUNALIVUT 15	

5. LOCATION OF UNDERTAKING



Project Extents (decimal degree format)

Camp Location(s) (decimal degree format)

- a) Cambridge Bay: Min Lat: 69.110547 / Max Lat: 69.114051
Min Long: -105.109677 / Max Long: -105.117702
- b) Washburn Lake: Min Lat: 70.07939929 / Max Lat: 70.17873752
Min Long: -107.4451352 / Max Long: -107.7371646
- c) Tahoe Lake: Min Lat: 70.0039196 / Max Lat: 70.10421557
Min Long: -108.1819963 / Max Long: -108.4757757
- d) Dease Strait: Min Lat: 68.95034007 / Max Lat: 69.04703051
Min Long: -105.4068783 / Max Long: -105.6764381

Name of the Water Management Area in which the Undertaking is located.

(Please see Appendix D of the Guide):

- 30 - QUEEN MAUD GULF WATERSHED
- 38 - SOUTHERN VICTORIA ISLAND WATERSHED
- 41 - KING WILLIAM ISLAND WATERSHED

6. **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 Exercise - Establishment of temporary field camp

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.

Note: Operation NUNALIVUT 15 will be supported out of the Cambridge Bay North Warning System (NWS) Site. This site is licensed by the Nunavut Water Board through license number: 3BC-CAM0919. However, the operation will exceed the daily draw of water approved by an estimated maximum amount of 15m³ per day over the course of 6 weeks.

General Description of Operation:

Joint Task Force (North) (JTFN) will conduct Operation NUNALIVUT 15 from 28 March to 2 May, 2015 in the Arctic, based out of Cambridge Bay, 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 15 will be conducted with patrols on the land, on the sea ice, underwater, and in the air. It will consist of approximately 250 CAF personnel, and may feature participation by international partners. To facilitate the conduct of the Operation, JTFN will establish a Task Force Headquarters in Cambridge Bay consisting of approximately 25 members with an additional 50 support personnel.

Canadian Ranger Patrols from Ulukhaktuk, Kugluktuk, Cambridge Bay, Gjoa Haven and Taloyoak will move over land and ice from their communities to Tahoe Lake or Washburn Lake on Victoria Island, where they will conduct collective training before returning to their home communities.

A Canadian Army Company supported by members of 1 Canadian Ranger Patrol Group (1 CRPG) for a total of approximately 65 personnel will execute patrols on the sea ice to the west and/or east from Cambridge Bay, conducting training in Arctic survival skills and patrol Canadian Territory. While not currently planned, a live fire exercise may be conducted on the sea ice.

A Dive Team consisting of 20 personnel from the Royal Canadian Navy's Fleet Diving Unit (Atlantic) will support Parks Canada-led underwater archaeological activities with both manned dives and Remotely Operated Vehicle (ROV) investigations. This activity will have a support team of approximately 25 personnel. In addition, the Dive Team will evaluate its cold weather diving ensembles and ice diving tactics, techniques and procedures.

CC138 Twin Otter and LC-130 Hercules aircraft, along with contracted or military helicopters based in Cambridge Bay and Yellowknife, NT, will provide transportation, resupply and casualty evacuation services if required.

The bulk of the water drawn from local sources will be used for human consumption. Small quantities of grey water may be disposed of on the land. No additional equipment specifically for the use of water will be employed during this operation.

Katutyiqatigit Havaktit Havaktinut (Ukiurtagtuq) (JTFN-kut) havakniaqtaí Aulatyutit NUNALIVUT 15 talvanga

28 Matyi tikitlugu 2 Mai, 2015 tahamani Ukiurtaqtumi, talvangartaqluni Ikaluktutiakmin, Nunavut. Tapkuat tamaita pinahuaqtai pivalliqtiyuminahuaqni tapkuat Kanatamiuni Anguyaktit (CAF-kut) ilihimani pilaqnilu aulaninut taihimayunut inigiyaani akhuqnarninilu avatigiyaayunut, huli pipkaqhugit tapkuat CAF-kut takukhautitni pilaqnigiyai atuttiaqtumik hugiaqnit hivuganaitninut nautiumaninutlu pityutit Ukiurtaqtumi.

Op NUNALIVUT 15 havaktauniaqtut aulaqattaqlutik maniqamun, tagiup hikuani, immap iluani, hilainaqmilu. Ilaqaqniaq mikhaani 250 CAF-kut havaktinik, pityutaulaqhutiklu piqatauniniktaplunanga hilaqyuaqmi katutyiqatainit. Ihuaqhihimaninut tapkuat havaginit taphuma Aulatyutip, JTFN-kut pingurtitniaqtat taman Havaktit Havaktinut Ataniquaqiat Ikaluktutiakmi ilaqaqtitlugit mikhaani 25 ilauyut ilaliutititlugit 50 ikayuqtit havaktit.

Kanatamiuni Unataqtukhagalat Aularnit talvanga Ulukhaktuk, Kugluktuk, Ikaluktutiak, Uqhuqtuuq tamnalu Taloyoak aularniat nunakktut hikukutlu nunaligiyamingnit talvanga Tahoe Tahiq tamnaluniit Washburn Tahiq tahamani Kiiliniq Qikiqtami, talvani havakniaqta katihimalutik iliharnit utiqniahaqlutik angilgamingnut nunaluyunut.

Tamna Kanatamiuni Anguyaktit Kampaniat ikayuqtauluni ilauyunit tapkununga 1 Kanatamiuni Unataqtukhagalaat Aulartut Ilagit (1 CRPG-kut) tapkuat katitlugit mikhaani 65 havaktit havakniaqta aularnit tagup hikuani atuqniaqtatlu aularnit tagiup hikuagut tahamunga nigingani tamnalu/tamnaluniit pingangnangani Ikaluktutiakmin, havaklugit iliharnit Ukiurtaqtumi annaumanahuarniq ayuitnit aularnitlu Kanatamiuni Nunatagaayumi. Huli tatya upalungaiyaqhimaaittugaluq, qaqyuliknut hiquqtitarniq atuqtaulaq tahamani tagiup hikuani.

Tapkuat Immap liluagut Naluktit ilalgit tapkuninga 20 havaktinik talvanga Royal Kanatamiuni Umiakkuqtit Umiapqakni Naluktit Immap Iluani (Atlantic-mi) ikayuqniaqta Minnguirhiqvit Kanatami-hivuliqtut immap ilua inituqlituqat huliniit piqatigiplugit tamatkiknik aulatauyut inulgit immap iluanut nalukniit tapkuatlu Ahinit Aulatyutilgit Ingilgatit Akhaluutit (ROV-ngi) qauyihautit. Una huliniq ikayuqtiqarniaq havaqatiginik mikhaani 25 havaktit. Ilagiplugitlu, tapkuat Naluktit immap iluagut naunaiyaqniaqta qayurninaqqni hilami immap iluanuktarniqmun pityuhit, pitquhit pityuhigiyailu.

CC138 Malgulik Tingmit amnalu LC-130 Hercules tingmit, piqatigilugu kanturaktitauyuq anguyaktitluniit halikaaptat talvangartaqluni Ikaluktutiakmin talvangalu Yellowknife, NT, will providepiqagutauniat aulagutinik, ilakhainik qakutikkutlu aiyauninik kivgaqtit piyaqaqata.

Tapkuat anginiqhamik imiqtaqviuniaq tahapkununga hanianittunit piqaqninut atuqtaulutiklu inungnit imiqtakhat. Mikiyumik aktilangi halumaittut imait kuvigaqtakhat tahamunga nunamun. Ilalaittut hanalgutit taihimayut atuqtakhanut imait piyaulaittut atuqtitlugu una aulataunia.

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

Proposed Start Date: **March/2015**
(Month/Year)

Proposed Completion Date: **February/2016**
(Month/Year)

9. **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.

- 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	NWS Site CAM-M	15 m ³ maximum	Evening

- 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
Human	3 m ³	Waste bags will be used to collect and transport waste to municipal facility.	Evening
Hazardous (fuel, naphtha, etc.)	0.1 m ³	Will bring back for disposal at municipal facility	Evening

13. SIGNATURE

I, Col Derek Macaulay and BGen Gregory Loos (print name), certify that the information given on this form is, to the best of our 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

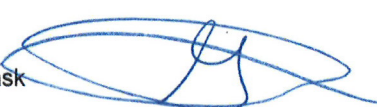
☐ No

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

Col D. Macaulay	Commander 3 rd Cdn Division Support Group		22/02/15
Name (Print)	Title (Print)	Signature	Date

BGen G. Loos	Commander Joint Task Force (North)		17 Feb 15
Name (Print)	Title (Print)	Signature	Date