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## **NIRB Application for Screening #125031**

### **Renewal of the Municipality of Pangnirtung Water Licence #3BM-PAN1417 TYPE B to TYPE A.**

**Application Type:** New

**Project Type:** Infrastructure

**Application Date:** 12/12/2016 3:07:07 PM

**Period of Operation:** From 2017-01-01 to 2027-09-15

**Proposed Authorization:** From 2017-09-16 to 2027-09-15

**Project proponent:** Department of Community and Government Services, Bhabesh Roy  
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## **DETAILS**

### **Non-technical project proposal description**

English: The Water Licence of Pangnirtung covers water supply, wastewater treatment and waste management. Currently the Licence is Type B. The Municipality is requesting to renew the Licence as TYPE A for 10years period. The Municipality of Pangnirtung is located in the Canadian territory of Nunavut, and lies on the south-eastern shore of the Pangnirtung Fiord, which itself is located at Latitude 66009'00' N and Longitude 65040'34" W on the eastern side of Baffin Island. In total, the municipal boundary covers an area of 7.5km<sup>2</sup>. In 2016, the Hamlet had a population of 1,811 and total of 433 private dwellings. The current Water Licence with a permit of water extraction volume for 74,000 cubic meters annually was issued on Sep. 14, 2014 and will be expired on Sep.15, 2017. This type B Water Licence #3BM-PAN 1417 (proposed renewal Type A considering storage volume annually will exceed 60,000cubic metres.) contains three facilities: Water Supply, Wastewater Treatment and Waste manage

French: N/A

Inuktitut: N/A

### **Personnel**

Personnel on site: 10

Days on site: 365

Total Person days: 3650

Period of operation: from 2017-01-01 to 2017-12-31

Proposed term of operation: from 2017-09-16 to 2027-09-15

## ACTIVITIES

### Project Activities

Location	Activity Type	Land Status	Site History	Site Archaeological or Palentological Value	Proximity to the nearest communities and any protected areas
Municipality of Pangnirtung- Water supply, land fill and Wastewater Treatment Plant	Waste disposal	Commissioners	The waste sites consist of Land fill and metal dump. The landfill receives community's domestic and industrial wastes. Both sites are full. Wastewater is treated by a Mechanical plant.	Nil	Municipality of Qikiqtarjuaq. The landfill is protected by a Fench. The Wastewater treatment is done inside the building.

### Community Involvement and Regional Benefits

Community	Name	Organization	Date Contacted
Pangnirtung	Municipality of Pangnirtung	Municipality	2016-12-12

## AUTHORIZATIONS

### Project Locations

South Baffin

### Project Authorization

Authorizing Agency	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Nunavut Water Board	Approval for TYPE A Water Licence	Not Yet Applied		

## MATERIAL USE

Equipment to be used (including drills, pumps, aircraft, vehicles etc.)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Heavy Equipment	11	Heavy Type	Transportation , Compacting etc.

### Detail Fuel and Hazardous Material Use

Fuel / Material	Type	Number of Containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	200	200	40000	Liters	In operating the heavy equipment
0.0	hazardous	0	0	0	Liters	0.0

### Project Water Consumption

Daily Amount (m3)	Proposed Water Retrieval Methods	Proposed Water Retrieval Location
141	Pumping	Duval River to Storage Reservoir

## WASTE

### Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional Treatment Procedures
Waste disposal	Combustible wastes	unknown	Trucking	Landfill

### Environmental Impacts

No Environmental impact is expected. Spill contingency plan is being followed by the Municipality.

Description of Existing Environment: Physical Environment

Description of Existing Environment: Biological Environment

Description of Existing Environment: Socioeconomic Environment

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

IMPACTS

**TABLE 1 - IDENTIFICATION OF ENVIRONMENTAL IMPACTS**

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CONSTRUCTION																								
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-
OPERATION																								
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-
DECOMMISSIONING																								
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)