

NWB Annual Report Year being reported: 2024

License No: 8WLC-NWT2425 Issued Date: June 14, 2024
Expiry Date: July 12, 2025

Project Name: Northern Watch Technology Demonstration Project

Licensee: Defence Research and Development Canada (DRDC)

Mailing Address: 9 Grove Street
Dartmouth, NS
B2Y 3Z7
ATTN: Patrick Sangster

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):
Defence Construction Canada on behalf of Patrick Sangster - Defence Research & Development Canada. 180 Kent Street, 14th floor, Ottawa ON K1P 0B6

General Background Information on the Project (*optional):

Licence Requirements: the licensee must provide the following information in accordance with

Part B Select

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):	melt water system		
Water Quantity:	1 cu m per day	Quantity Allowable Domestic (cu.m)	
	0.990 cu m per day	Actual Quantity Used Domestic (cu.m)	
		Quantity Allowable Drilling (cu.m)	
		Total Quantity Used Drilling (cu.m)	

Waste Management and/or Disposal

☒ Solid Waste Disposal

☐ Sewage

☐ Drill Waste

☐ Greywater

☐ Hazardous

☐ Other:

Additional Details:

Waste was sealed into containers (human waste was put into compost bags and sealed into containers) and transported back to Resolute for disposal.

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: (as reported to the Spill Hot-line)
 Date of Spill:
 Date of Notification to an Inspector:
 Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed



Additional Details:

Revisions to the Abandonment and Restoration Plan

No Abandonment and Restoration (AR) Plan submitted or approved



Additional Details:

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Not Applicable (N/A)



Additional Details:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Not Applicable (N/A)



Additional Details:

Results of any additional sampling and/or analysis that was requested by an Inspector

No additional sampling requested by an Inspector or the Board ▼

Additional Details: (date of request, analysis of results, data attached, etc)

N/A

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

No additional sampling requested by an Inspector or the Board ▼

Additional Details: (Attached or provided below)

N/A

Any responses or follow-up actions on inspection/compliance reports

No inspection and/or compliance report issued by INAC ▼

Additional Details: (Dates of Report, Follow-up by the Licensee)

N/A

Any additional comments or information for the Board to consider

Water this year was obtained from the glacial melt stream as done in previous years and there were no complaints of quality. The melt, combined with rain provided ample water flow throughout the season.

A test of a reverse-osmosis unit was also completed, to see if potable water can be supplied to the camp more reliably (and with less silt management) than the current practice of collecting glacial meltwater. The trial system was effective, but undersized for the current camp's needs. A second unit would be required to fully satisfy needs permanently. Planning for a future installation capable of use in cold weather conditions was completed this year.

Date Submitted:

March 10, 2025

Submitted/Prepared by:

Marc M. Bouchard, DCC on behalf of DRDC (A)

Contact Information:**Tel:** (343) 551-3164**Fax:****email:** Marc.Bouchard@dcc-cdc.gc.ca

GPS Coordinates for water sources utilized

[illegible]

GPS Locations of areas of waste disposal

[illegible]