

NWB Annual Report

Year being reported: 2023

License No: 1BR-RES1626 (Formerly 1BR-RES0916) Issued Date: May 17, 2018
 Expiry Date: December 11, 2026

Project Name: Resolution Island Long Term Monitoring

Licensee: Crown-Indigenous Relations and Northern Affairs Canada
 (CIRNAC) Contaminated Sites

Mailing Address: Nunavut Regional Office
 969 Sivumugiaq St.
 Iqaluit, NU X0A 3H0

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

General Background Information on the Project (*optional):

The former BAF-5 (Resolution Island) Pole Vault Line Site is located 320 km southeast of Iqaluit at the mouth of Frobisher Bay. The facility was constructed in 1953 and abandoned in 1972.

Remediation of the site was completed in 2005 and a long term monitoring program was initiated. In 2013, 2014, and 2016, maintenance and supplementary assessments were completed to provide additional information to prepare the design and specifications for follow up remedial work at the site planned for 2018 and 2019. Due to inclement weather, the final demobilization could not be completed in 2019 and had to be completed in 2020

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

Part B ▼ Item 1 ▼

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):	Monitoring Wells at the NHWLs and Tier II Disposal Facility (See GPS Coordinates Page)		
Water Quantity:	7/day*	Quantity Allowable Domestic (cu.m)	
	0	Actual Quantity Used Domestic (cu.m)	
	0	Quantity Allowable Drilling (cu.m)	
	0	Total Quantity Used Drilling (cu.m)	

* (2/day domestic; 5 per day sampling)

Waste Management and/or Disposal

☒ Solid Waste Disposal

☐ Sewage

☐ Drill Waste

☐ Greywater

☐ Hazardous

☐ Other:

Additional Details:

CIRNAC was not onsite in 2023. Thus, no water samples were collected and no solid waste was generated in 2023.

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:

Approved Plan: Long Term Monitoring of BAF-5 Pole Vault Military Radar Station, Resolution Island, Nunavut, Spill contingency and Emergency Response Plan, dated April 2016.

Revisions to the Abandonment and Restoration Plan

Other: (see additional details)



Additional Details:

Resolution Island Remediation Design Report submitted with Water Licence Amendment Application in Nov 2017.

Progressive Reclamation Work Undertaken

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

No progressive reclamation work was undertaken in 2023.

The final year of the remediation project consisted in final demobilization of all equipment and waste left on site (camp and waste fuel, the decommissioned fuel tanks, and a loader) and final inspection.

Final demobilization occurred from July 27 to July 28, 2020 and final inspection occurred on August 4, 2020.

Project activities conducted in 2020-2021 included:

- ▶ Final grading of Temporary Storage Area (TSA);
- ▶ Demobilization of all equipment and materials via sealift;
- ▶ Transport and final disposal of all wastes to approved disposal facility;
- ▶ Final site inspection by Departmental Representative.

The year 2020-2021 marked the closure of the site, as such, there is no plan for future remediation work on site. An Operation, Maintenance and Surveillance (OMS) plan was developed to ensure proper monitoring and maintenance of the remaining features on site. The OMS Plan will replace the site Long Term Monitoring Plan.

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;

Details attached



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;

Details attached



Additional Details:

No waste was deposited on site in 2023. Any solid waste generated is removed from the site at the completion of LTM activities.

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**Date Submitted:**

April 25, 2024

Submitted/Prepared by:

Selma Al-Soweydawi, Contaminants Specialist

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