



Indigenous and
Northern Affairs Canada

Affaires autochtones
et du Nord Canada

Nunavut Regional Office
PO Box 2200
Iqaluit, NU
X0A 0H0

March 29, 2018

Mr. Karén Kharatyan,
Licensing Manager
PO Box 119
Gjoa Haven, NU
X0B 1J0

Dear Mr. Kharatyan,

**RE: Resolution Island Long Term Monitoring Project: 2017 Annual Report for
Water Licence 1BR-RES1626**

Please find attached the 2017 annual report for the Water Licence 1BR-RES1626
issued for the Resolution Island Long Term Monitoring Project.

If you have any questions or comments please contact the Project Manager, Lillianne
Kydd, at (867) 975-4733 or via e-mail at Lillianne.Kydd@canada.ca.

Sincerely,

Charlotte Lamontagne
Director, Contaminated Sites

NWB Annual Report

Year being reported:

Select



2017

License No: 1BR-RES1626

Issued Date: December 12, 2016

Expiry Date: December 11, 2027

Project Name: Resolution Island Long Term Monitoring

Licensee: Indigenous and Northern Affairs Canada

Mailing Address: 969 Qimigjuk Building
Iqaluit, NU X0A 0H0

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

n/a

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.

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):

No water source used in 2017

Water Quantity:

7 per day

Quantity Allowable Domestic (cu.m)

0

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:

No waste produced on site in 2017

During the summer of 2017, a site visit was necessary to complete annual regulatory inspections of the PCB Storage Area and the Fuel Storage Tanks.

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)

n/a

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed



Additional Details:

n/a

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)

During the summer of 2017, a site visit was necessary to complete annual regulatory inspections of the PCB Storage Area and the Fuel Storage Tanks.

The remediation activities planned for 2018 and 2019 include:

- Establish a temporary camp to support site operations
- Excavation of contaminated soil associated with the Permeable Reactive Barriers (PRBs) and replacement of PRBs as required
- Excavation and off-site disposal of contaminated soil
- Decommissioning of existing fuel storage tanks
- Incineration and/or off-site transport and disposal of waste fuel in barrels and fuel storage tanks
- Collection, containerization, and off-site disposal of hazardous materials. This includes hazardous surface debris and PRB materials
- Access roads and airstrip will be repaired as necessary
- Borrow sources will be developed and the material will be used to assist in the

remediation work

Continuation of the long term monitoring activities at Resolution Island is planned in accordance with the plan approved by the NWB.

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:

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)

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)

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)

Any additional comments or information for the Board to consider

A Water Licence Amendment Application has been submitted for the proposed follow up remediation activities at Resolution Island.

Date Submitted:

March 29, 2018

Submitted/Prepared by:

Lilianne Kydd

Contact Information:**Tel:** 867-975-4733**Fax:** 867-975-4560**email:** Lilianne.Kydd@canada.ca

GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	Deg	Min	Sec	Deg	Min	Sec
Freshwater Lake	61	35	22.24	64	39	24.55
Monitoring Well (MW) 1A	61	35	48.11	64	38	39.75
MW 1B	61	35	48.37	64	38	36.92
MW 2	61	35	45.66	64	38	42.96
MW 3A	61	35	43.93	64	38	48.18
MW 3B	61	35	44.01	64	38	48.06
MW 4	61	35	44.71	64	38	48.91
MW 5A	61	35	43.47	64	38	50.54
MW 5B	61	35	43.43	64	38	50.75
MW 6	61	35	42.56	64	38	53.88
MW 11	61	35	51.36	64	38	40.99
MW 12	61	35	54.67	64	38	45.85
MW 13	61	35	53.55	64	38	48.01
MW 14	61	35	54.5	64	38	48.27
MW 21	61	35	43.15	64	38	58.8
MW 22	61	35	43.1	64	38	59.06

GPS Locations of areas of waste disposal

[illegible]