

NWB Annual Report

Year being reported: 2020

License No: 1BR-CL1727

Issued Date: May 26, 2017

Expiry Date: May 25, 2027

Project Name: PIN-B Clifton Point Long Term Monitoring

Licensee: Crown-Indigenous Relations and Northern Affairs Canada
(CIRNAC) Contaminated SitesMailing Address: PO Box 2200
Iqaluit NU
X0A 0H0Name 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):**

PIN-B Clifton Point is located on the coast of Amundsen Gulf (Beaufort Sea) in Nunavut. The nearest communities are Paulatuk, Northwest Territories (NT), about 220 km to the northwest, and Kugluktuk, Nunavut about 220 km to the southeast. The site is situated about 1 km inland from the coast. PIN-B was an Intermediate DEW Line Site constructed in 1957 and subsequently closed and abandoned in 1963.

Remediation works were conducted at the site between 2009 and 2010, including consolidation and off-site disposal of hazardous soils and materials, demolition of buildings and structures, excavation and consolidation of wastes from various historical dumps and clean-up of other site debris. All of the non-hazardous wastes were placed in a non-hazardous waste landfill (NHWL) constructed on-site for that purpose.

As per departmental commitments to monitor the NHWL post-closure, a 25-year long term monitoring (LTM) program was initiated at PIN-B in August 2011 and includes visual inspections, groundwater sampling, soil sampling (as required), and natural environment monitoring. Refer to the *PIN-B Clifton Point Long Term Monitoring Plan* (2011, 2017) for additional information.

Years 1, 3, 5, 7, and 10 of the LTM Plan took place in 2011, 2013, 2015, 2017, 2020 respectively. Future events are scheduled for 2025, and 2035.

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 NHWL (See GPS Coordinates Page)	
Water Quantity:	1/day	Quantity Allowable Domestic (cu.m)
	<0.05	Actual Quantity Used Domestic (cu.m)
	0	Quantity Allowable Drilling (cu.m)
	0	Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

- ☒ Solid Waste Disposal
☐ Sewage
☐ Drill Waste
☐ Greywater
☐ Hazardous
☐ Other:

Additional Details:

CIRNAC was onsite on August 30th, 2020. Only one (1) groundwater sample (with no duplicate) was collected from one monitoring well (MW3) as MW1, MW2, and MW4 were dry. MW3 was not dry, but the sample taken was purge water as groundwater did not recharge in the well during the site visit. The total volume of water used/collected was less than 10 litres. Excess purge water was disposed in the center of the NHWL.

Monitoring activities were conducted within a single day and were based out of Cambridge Bay, NU so no camp was required. Solid wastes (packaging, paper towels, paper, kimwipes, filters, Teflon tubing) generated (< 0.5 m³) were collected and removed from the site at the completion of monitoring activities.

Refer to the *PIN-B Clifton Point Long Term Monitoring Plan* (2011, 2017) and the PIN-B Clifton Point 2020 LTM Report for details.

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

No Spill Contingency Plan (SCP) submitted or approved



Additional Details:

N/A

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed



Additional Details:

N/A

Progressive Reclamation Work Undertaken

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

No progressive reclamation work was undertaken in 2020.

As per the *PIN-B Clifton Point Long Term Monitoring Plan* (2011, 2017), future long term monitoring events are scheduled for 2025, and 2035.

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:

Additional details regarding water sources (monitoring wells) can be found in the *PIN-B Clifton Point Long Term Monitoring Plan* (2011, 2017).

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:

Remediation was completed in 2010 and the only structure remaining on site is the NHWL. No waste was deposited on site in 2020. Any solid waste generated was removed from site at the completion of monitoring 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)

The last known inspection conducted at PIN-B was in 2010. The 2010 Inspection Report is available on the NWB ftp site. The majority of issues were identified during remediation and no issues remain applicable to post-remediation monitoring activities.

Any additional comments or information for the Board to consider

Physical observations of the NHWL and results of groundwater chemical analysis conducted during the last LTM event (2020) indicate that the NHWL at PIN-B is in acceptable condition, is performing as designed, and is containing the enclosed waste.

Date Submitted:

March 30, 2021

Submitted/Prepared by:

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