

NWB Annual Report

Year being reported:

Select



2015

License No: 1BR-SAR0916

Issued Date: March 8, 2009

Expiry Date: January 30, 2016

Project Name:

CAM-F Sarcpa Lake Long Term Monitoring

Licensee:

Indigenous and Northern Affairs Canada (INAC) Contaminated Sites

Mailing Address:

PO Box 2200  
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):**

CAM-F was an Intermediate DEW line site constructed in 1957 and operated until 1963. The Site was used as a scientific research station between 1977 and 1988. The site is located on the Melville Peninsula, approximately 85 km west of Hall Beach, Nunavut.

The planned 2-year remediation phase of the CAM-F Sarcpa Lake Remediation Project was completed in April 2008. Activities included the demolition and disposal of buildings, structures and other debris, as well as the cleanup of hazardous materials. Contaminated soil was excavated and either shipped off site or placed in a secure soil disposal facility (SSDF) on site. A SSDF and non-hazardous waste landfill (NHWL) were constructed during the remediation to contain some of the demolished materials and excavated soils.

As per departmental commitments to monitor the NHWL and SSDF post-closure, a 25-year long term monitoring (LTM) program was initiated at CAM-F in August 2008 and includes visual inspections, groundwater sampling, and natural environment monitoring.

Years 1, 2, 3, 4, 5, and 7 of the LTM program were completed in Aug. 2008, Aug. 2009, Sept. 2010, Aug. 2011, Aug. 2012, and Aug. 2014 respectively. Year 10 of the LTM program is scheduled for August 2017. Future events will occur in 2022 and 2032 (years 15 and 25 respectively).

INAC was not at the CAM-F site in 2015.

**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 - water samples only		
Water Quantity:	N/A	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)	

Waste Management and/or Disposal

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

Additional Details:

Additional information is provided in the *CAM-F Sarcpa Lake Long Term Monitoring Plan (2007)*.

INAC was not onsite in 2015. Thus, no water samples were collected and no solid waste was generated in 2015.

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

Spill No.: None (as reported to the Spill Hot-line)

Date of Spill: N/A

Date of Notification to an Inspector: N/A

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

N/A

**Revisions to the Spill Contingency Plan**

N/A - not applicable ▼

Additional Details:

N/A

**Revisions to the Abandonment and Restoration Plan**


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;**


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;**


Additional Details:


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


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**

Inspection Report received by the Licensee (Date): ▼

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

The last inspection conducted at CAM-F was in 2007. The 2007 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 and thermal observations of the landfills and results of the groundwater chemical analysis conducted during the last LTM event indicate that the containment facilities at CAM-F continue to operate as designed and that the site continues to pose no threat to human health or the natural environment.

**Date Submitted:**

January 25, 2017

**Submitted/Prepared by:**

Jean Allen, A/Contaminants Specialist

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### GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	Deg °	Min '	Sec "	Deg °	Min '	Sec "
Monitoring Well (MW) 1	68	33	6.798	-83	18	52.25
MW 2	68	33	5.982	-83	18	42.54
MW 3	68	33	5.244	-83	18	43.87
MW 4	68	32	49.03	-83	18	17.8
MW 5	68	32	45.21	-83	18	20.28
MW 6	68	32	45.52	-83	18	22.94

### GPS Locations of areas of waste disposal

[illegible]