NWB Annual Report	Year being reported:	2014	•

Project Name: CAM-F Sarcpa Lake Remediation Project

Licensee: Aboriginal Affairs and Northern Developement Canada (AANDC)

Mailing Address: PO Box 2200

Iqaluit NU XOA 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 two 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 long term monitoring program was initiated at CAM-F in August 2008 . The first five monitoring events of the 25-year long-term monitoring at CAM-F were completed in August 2008, August 2009, September 2010, August 2011, and August 2012.

The sixth year of the 25-year long-term monitoring at the CAM-F site was completed on August 24th and 25th, 2014, while based in the nearby community of Hall Beach.

Long term monitoring activities undertaken at the site on August 24-25, 2014 included visual and natural environment monitoring and groundwater sampling. The attached report *Long term Monitoring*, 2014 CAM-F, Scarcpa Lake, Nunavut provides more details and results of the monitoring activities undertaken in 2014.

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with	Part B ▼ Item 1 ▼
A summary rou	port of water use and waste disposal activities, including, but not limited to: methods of
	r; sewage and greywater management; drill waste management; solid and hazardous
waste manage	
	/ater Source(s): //ater Quantity: Monitoring wells- water samples only N/A Quantity Allowable Domestic (cu.m) Actual Quantity Used Domestic (cu.m) N/A Quantity Allowable Drilling (cu.m) N/A Total Quantity Used Drilling (cu.m)
	/aste Management and/or Disposal Solid Waste Disposal Sewage Drill Waste Greywater Hazardous Other: dditional Details:
1	Groundwater samples were collected at three predetermined locations: one at the SSDF (MW0604) and two at the NHWL (MW0602 and MW0603). No sewage or grey water were generated during the 2014 long term monitoring event. Solid wastes generated during the monitoring event (< 0.5 m³) were collected and removed from the site at the completion of monitoring activities. Sampling locations were selected as described in <i>CAM-F Sarcpa Lake Long Term Monitoring Plan</i> and were rge same as those sampled during the previous monitoring events.
A list of unaut	norized discharges and a summary of follow-up actions taken.
S D D A	pill No.: No spills (as reported to the Spill Hot-line) ate of Spill: ate of Notification to an Inspector: dditional Details: (impacts to water, mitigation measures, short/long term monitoring, etc) N/A
Revisions to th	ne Spill Contingency Plan
	CP submitted and approved - no revision required or proposed
А	dditional Details:
	N/A

Licence Requirements: the licensee must provide the following information in accodance

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Revisions	to the Abandonment and Restoration Plan
	AR plan submitted and approved - no revision required or proposed
	Additional Details:
Progressiv	e Reclamation Work Undertaken
	Additional Details (i.e., work completed and future works proposed)
WORK	COMPLETED
• Long	Term Monitoring
- Years	1, 2, 3, 4, 5, and 7 of the long term monitoring program were completed Aug. 2008, Aug. 2009,
	010, Aug. 2011, Aug. 2012, and Aug. 2014 respectively
	g the 2014 event, 4 groundwater samples, including 1 field duplicate, were collected from 3
	ring wells around the NHWL and SSDF
	ntrations of contaminants of concern in groundwater samples were below the upper limit of
	ibility when compared with aggregate historical results with the exception of total lead in
concen	22 and dissolved copper and total lead in MW0603. This indicates an increasing trend in
	crease is believed to be a result of non-standard sampling techniques (i.e. limited purging due
	recharge in monitoring well) and does not represent an actual trend.
	ells will continue to be monitored to see if any elements of concern continue to be above
average	·
FUTURE	WORK PROPOSED
•Long T	erm Monitoring
-Started	l in 2008, continues until 2032
	O of the 25-year long term monitoring program is scheduled for August 2017
- Future	e events will occur in 2022 and 2032

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;

	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 de	etails on water use or waste disposal requested by the Board by November 1 o	of the year
9	No additional sampling requested by an Inspector or the Board	▼
	Additional Details: (Attached or provided below)	
	N/A	
Any respons	ses 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 addition	nal comments or information for the Board to consider	
Any addition	Physical and thermal observations of the landfills and results of the groundwater chemical analysis conducted during the 2014 field program 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 Submitt Submitted/Pr Contact Info	repared by: Lilianne Arsenault	

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GPS Coordinates for water sources utilized

		Latitude			Longitude		
Source Description	o Deg	Min	Sec.	o 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

Location Description (type)	Latitude		Longitude			
	o Deg	, Min	, Sec	o Deg	, Min	, Sec
Not Applicable						
		-			-	