NWB Annual Report	Year being reported:	2012	•

License No: 1BR-SAR0916 Issued Date: March 8, 2009

Expiry Date: January 30, 2016

Project Name: CAM-F Sarcpa Lake Long-Term Monitoring

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 four years of the 25-year long-term monitoring at CAM-F were completed in August 2008, August 2009, September 2010, and August 2011.

The fifth year of the 25-year long-term monitoring at the CAM-F site was completed on August 5th and 6th, 2012, while based in the nearby community of Hall Beach.

Long term monitoring activities undertaken at the site on August 5-6, 2012 included visual and natural environment monitoring and groundwater sampling. The attached report *Long term Monitoring, 2012 CAM-F, Scarcpa Lake, Nunavut* provides more details and results of the monitoring activities undertaken in 2012.

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•	nents: the licen	nsee must provi	de the following information in accodance	
with	Part B	Item 1 ▼		
			osal activities, including, but not limited to:	
		eywater manage	ement; drill waste management; solid and h	azardous
waste manageme		<u> </u>		
	er Source(s): er Quantity:	Monitoring wel N/A <0.025 N/A N/A	Ils- water samples only   Quantity Allowable Domestic (cu.m)   Actual Quantity Used Domestic (cu.m)   Quantity Allowable Drilling (cu.m)   Total Quantity Used Drilling (cu.m)	
	ste Management Solid Waste Dis Sewage Drill Waste Greywater Hazardous Other:	t and/or Disposal		
For CAI site we No eve	the first time si M-F, groundwat e, including those re not sampled l sewage or grey ent. Solid waste	er samples were e surrounding the because they we water were gen s generated duri	n of the long term monitoring program at collected from all of the wells present at the e NHWL. (In previous years many of the wells re dry).  erated during the 2012 long term monitoring ng the monitoring event (< 0.5 m³) were e at the completion of monitoring activities.	
Spill Date Date	No.: No specific of Spill: of Notification to itional Details: (in	to an Inspector:	ry of follow-up actions taken. s reported to the Spill Hot-line) gation measures, short/long term monitoring, etc)	
Revisions to the	Spill Continger	ncv Plan		
		oved - no revision req	quired or proposed	▼
Add	itional Details:			
N/A				

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Revisions to	the Abandonment and Restoration Plan
	AR plan submitted and approved - no revision required or proposed
	Additional Details:
Progressive	Reclamation Work Undertaken
	Additional Details (i.e., work completed and future works proposed)
	DMPLETED
- Years 1, Sept. 201 - During t monitorin -Concent acceptab cobalt in - Cobalt v levels - As a poi land: irrig watering	arm Monitoring 2, 3, 4, and 5 of the long term monitoring program were completed Aug. 2008, Aug. 2009, 0, Aug. 2011 and Aug. 2012, respectively he 2012 event, 7 groundwater samples, including 1 field duplicate, were collected from 6 mg wells around the NHWL and SSDF rations of contaminants of concern in groundwater samples were below the upper limit of ility when compared with aggregate historical results with exception of total and dissolved MW06-1 and dissolved copper in MW06-3. was 2 orders of magnitude higher while copper was marginally higher than historical mean and of comparison, two CCME guidelines exist for cobalt for the protection of agricultural faction (50 $\mu$ g/L) and livestock (1000 $\mu$ g/L). The results for cobalt are well below the livestock guideline and within 1 order of magnitude of the irrigation guideline lis will continue to be monitored to see if any elements of concern continue to be above evels
•Long Ter -Started i -Year 7 of	WORK PROPOSED om Monitoring n 2008, continues until 2032 If the 25-year long term monitoring program is scheduled for August 2014 events, if warranted, will occur in 2017, 2022 and 2032
Results of the	ne 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



	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)
	N/A
Any other de	etails on water use or waste disposal requested by the Board by November 1 of the year ed.
	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	al 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 2012 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 Submit Submitted/P Contact Info	repared by: Natalie Plato

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