

NWB Annual Report

Year being reported: 2015

License No: 1BR-EKA1017 Issued Date: March 1, 2010
 Expiry Date: September 30, 2017

Project Name: FOX-C Ekalugad Fjord 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):

The FOX-C Intermediate Distant Early Warning (DEW) Line Site was constructed in 1957 and subsequently abandoned in 1963. It is located on the Northeast coast of Baffin Island on the south shore of Ekalugad Fjord and is approximately 240 km from Qikiqtarjuaq and 260 km from Clyde River. Remediation at the FOX-C site was completed between 2006-2008 and involved the construction of a non-hazardous waste landfill (NHWL), the only structure remaining onsite.

As per departmental commitments to monitor the NHWL post-closure, a long term monitoring (LTM) program was initiated at FOX-C in 2009 and includes visual inspection, groundwater sampling, soil sampling (as required), and natural environment monitoring. Please refer to the attached *FOX-C Ekalugad Fjord Long Term Monitoring Plan (2008)* for additional information.

Year 7 of the 25-year LTM Plan was attempted in 2015 but a site visit was not possible due to poor weather conditions.

The next LTM event is scheduled for the fall of 2016. Future events will occur in 2018, 2023, 2028, and 2033.

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 the NHWL (See GPS Coordinates Page)		
Water Quantity:	5/year	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:

Because a site visit was not possible, no groundwater samples were collected and no waste was generated in 2015.

Refer to the *FOX-C Ekalugad Fjord Lake Long Term Monitoring Plan (2008)* 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

N/A - not applicable



Additional Details:

N/A

Revisions to the Abandonment and Restoration Plan

N/A - not applicable



Additional Details:

N/A

Progressive Reclamation Work Undertaken

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

No progressive reclamation work and no monitoring activities were undertaken in 2015 because a site visit was not possible. Monitoring activities at FOX-C will be postponed to 2016 (year 8).

As per the *FOX-C Ekalugad Fjord Long Term Monitoring Plan (2008)*, future LTM events are scheduled for 2018, 2023, 2028, and 2033 (years 10, 15, 20, and 25 respectively).

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 *FOX-C Ekalugad Fjord Long Term Monitoring Plan (2008)*.

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 2008 and the only structure remaining at the site is the NHWL. No waste was generated or deposited on site in 2015.

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)

N/A

Any additional comments or information for the Board to consider

Physical observations of the NHWL conducted during past LTM events indicate that the NHWL at FOX-C is in acceptable condition, is performing as designed, and is containing the enclosed waste.

Date Submitted:

March 28, 2017

Submitted/Prepared by:

Jean Allen, A/Contaminants Specialist, INAC

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GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
Non-Hazardous Landfill Monitoring Wells (MW):						
MW South	68	43	46.9	-68	39	12.76
MW East	68	43	50.02	-68	39	7.523
MW North	68	43	50.71	-68	39	15.45
MW Northwest	68	43	48.54	-68	39	17.39
MW Southwest	68	43	47.66	-68	39	16.36

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
N/A						