



Crown-Indigenous Relations
and Northern Affairs Canada

Relations Couronne-Autochtones
et Affaires du Nord Canada

Nunavut Regional Office (NRO)
P.O. Box 2200
Iqaluit, NU, X0A 0H0

August 30, 2018

Mr. Thomas Kabloona
The Chair,
Nunavut Water Board
P.O. Box 119, Gjoa Haven,
NU X0B 1J0

Dear Mr. Kabloona:

**RE: CAM-C (Matheson Point) Remediation Project: 2017 Annual
Report for Water Licence No: 1BR-MTH1722**

Please find attached the 2017 annual report for the Water licence No: 1BR-MTH1722 issued for the remediation of the CAM-C (Matheson Point) site.

If you have any questions or comments, please contact the undersigned or the Project Manager, Dele Morakinyo at dele.morakinyo@canada.ca, or by telephone at (819) 934 - 9224

Sincerely,

Charlotte Lamontagne
Director,
Contaminated Sites Program (NRO)
Tel: (867) 975-4730
Fax: (867) 975-4736
Email: charlotte.lamontagne@canada.ca

CC: Nunavut Impact Review Board (NIRB), Cambridge Bay, Nunavut



Canada

NWB Annual Report

Year being reported:

2017

License No: 1BR-MTH1722 Issued Date: August 15, 2017
Expiry Date: August 14, 2022

Project Name: CAM-C (Matheson Point) Site Remediation

Licensee: Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)

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 Government of Canada has implemented the Federal Contaminated Sites Action Plan (FCSAP) to clean up federally owned contaminated sites (CAM-C – Matheson point site inclusive) which pose risks to human health and/or the environment. The department of Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) (formerly INAC) is the custodian of most of these sites. CIRNAC applied for, and received funding approval under FSCAP, for the investigation and cleanup of CAM-C (Matheson point), Nunavut site.

CAM-C is an abandoned Intermediate Distant Early Warning Line Site which was originally constructed in 1957 and closed/abandoned in 1963. CAM-C is situated on crown land, approximately 30 km northeast of the community of Gjoa Haven, Nunavut.

CIRNAC conducted investigation studies on the site between 2011 and 2013 which confirmed that the site is contaminated and identified the contaminants of concerns on the site. Based on the site assessment studies carried out on CAM-C (Matheson Point) and concluded in 2013, CIRNAC developed a plan for the cleanup of the site. The draft of the plan was presented at a community consultation public meeting in Gjoa Haven on January 23, 2014. The meeting was well attended by members of the communities and feedbacks from the meetings were considered when the final cleanup plan was developed.

The site has two main areas: the main station area and the beach area. The main station area consisted of buildings; a garage; a warehouse; POL (petroleum, oil and lubricants) tanks; a drum storage area; and a communication tower. Following the cessation of activities and abandonment of the site, most of the site facilities were dismantled and the materials were taken, possibly by visitors to the site. In 1985 some hazardous materials, including two transformers, a choke and light ballasts were also removed from the site. Concrete foundations, scattered debris and a fallen communication tower are the only remnants of the main station. An airstrip, suitable for landing twin otter aircraft, is located adjacent to the main station area. The beach area was used for barge landings in the past. It has approximately 400 numbers of 205 litres drums stacked together. Partially buried debris is visible along the hillside southwest of the beach area. The beach area was used for badge landing activities during the site mobilization that took place in 2017 and will be used for demobilization activities in August 2018.

Licence Requirements: the licensee must provide the following information in accordance with

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):	Freshwater Lake (within the site)	
Water Quantity:	13/day	Quantity Allowable Domestic (cu.m)
	0.0/day max	Actual Quantity Used Domestic (cu.m)
	N/A	Quantity Allowable Drilling (cu.m)
	N/A	Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

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

Additional Details:

No water was taken from the site this FY as the period of construction was very short. Bottled water was used, for drinking water, by the construction team.

Only minimal solid waste, sewage and grey water were generated during the short stay at site. Solid wastes were containerized and will be shipped off-site in 2018. Sewage and grey water were also containerized on site, and will be treated in sewage lagoon during the 2018 season

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)

No major spills were recorded in 2017.

Spill No.:

Date of Spill:

Date of Notification to an Inspector:

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

None

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed



Additional Details:

None

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed



Additional Details:

None

Progressive Reclamation Work Undertaken

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

WORK COMPLETED (2017):

The 2017 construction season marked the beginning of remedial activities at the CAM-C site. Major works completed in 2017 include:

- Mobilization of equipment and materials from Valleyfield to CAM-C (Matheson Point);
- Improvement of site access routes, site internal roads and airstrips;
- Camp set-up and operation; and
- Collection of site surface debris.

The sealift arrived at the site on August 22, 2017. Due to the late arrival of the sealift, only limited work could be completed in 2017

FUTURE WORKS (2018):

- Granular material production
- Contaminated soil excavation (PHC Soil, Tier I and Tier II Soils)
- PHC Type B Soil treatment (Landfarm)
- Debris removal
- Excavation of Buried debris
- Demolition
- Containerization of nonhazardous and hazardous wastes
- Regrading
- Wastewater (Sewage) management

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:

See GPS Co-ordinates below

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



Additional Details:

See GPS Co-ordinates attached

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)

None

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)

None

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)

Any additional comments or information for the Board to consider

None

Date Submitted:

August 30, 2018

Submitted/Prepared by:

Dele Morakinyo

Contact Information:

Tel: (819) 934-9224

Fax: (819) 934-9229

email: dele.morakinyo@canada.ca

GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	° Deg	' Min	″ Sec	° Deg	' Min	″ Sec
Fresh water Lake (no water taken in 2017 - short stay on site)	68	49	50.19	95	19	37.75

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	″ Sec	° Deg	' Min	″ Sec
No waste disposal in 2017 due to short site stay.	0	0	0	0	0	0

Appendix A:

CAM-C (MATHESON POINT) REMEDIATION PROJECT

EXECUTIVE SUMMARY

CAM-C (MTHESON POINT) FORMER DEW LINE SITE REMEDATION PROJECT

NON-TECHNICAL EXECUTIVE SUMMARY

1. BACKGROUND

The Government of Canada has implemented the Federal Contaminated Sites Action Plan (FCSAP) to clean up federally owned contaminated sites (CAM-C – Matheson point site inclusive) which pose risks to human health and/or the environment. The department of Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) (formerly INAC) is the custodian of most of these sites. CIRNAC applied for, and received funding approval under FSCAP, for the investigation and cleanup of CAM-C (Matheson point), Nunavut site.

CAM-C (Matheson point) Intermediate Distant Early Warning (DEW) Line Station was constructed in 1957. The station (which is located 30 Km northeast of Gjoa Haven, Nunavut) was operated for about 6 years and was taken out of service in 1963. In 1965, the responsibility for the site was assumed by CIRNAC.

The site has two main areas: the main station area and the beach area. The main station area consisted of buildings; a garage; a warehouse; POL (petroleum, oil and lubricants) tanks; a drum storage area; and a communication tower. Following the cessation of activities and abandonment of the site, most of the site facilities were dismantled and the materials were taken, possibly by visitors to the site. In 1985 some hazardous materials, including two transformers, a choke and light ballasts were also removed from the site. Concrete foundations, scattered debris and a fallen communication tower are the only remnants of the main station. An airstrip, suitable for landing twin otter aircraft, is located adjacent to the main station area. The beach area was used for barge landings in the past. It has approximately 400 numbers of 205 litres drums stacked together. Partially buried debris is visible along the hillside southwest of the beach area. The beach area was used for badge landing activities during the site mobilization that took place in 2017 and will be used for demobilization activities in August 2018.

Contaminants of concern identified at the site include chemicals such as PCBs, metals (e.g. Lead), petroleum hydrocarbons (in soils and painted surfaces); demolition debris; drum caches; foundation bases and so on.

2. SITE LOCATION/ACCESS

CAM-C (Matheson Point) site is located at approximate latitude, 68° 49' 08" N; and Longitude, 95° 07' 10" W. The nearest community to CAM-C is Gjoa Haven, which is to the southwest.

CAM-C site is accessible by aircraft (year round); there is an airstrip at the site capable of landing a twin otter. The site can also be accessed by ship/boat in the summer when there is open water. For small supplies, all-terrain vehicles (ATVs) can be used to access the site overland in summer. In winter, the site can also be accessed overland or by sea/ice via skidoo or CAT-Train.

The contractor for this project (Englobe) mobilized his heavy equipment and materials with shipment via sealift from Valleyfield, QC directly to CAM-C, Matheson Point, NU, in the summer of 2017, arriving at the site on August 22, 2017. Following project completion in August 2018, the contractor will demobilize from site to the south via the same route as for the mobilization. Resupplies and staff rotations are being carried out via air planes and ground movements from Gjoa Haven.

3. PROJECT ACTIVITIES & SCHEDULE

CIRNAC conducted investigation studies on the site between 2011 and 2013 which confirmed that the site is contaminated and identified the contaminants of concerns on the site. Based on the site assessment studies carried out on CAM-C (Matheson Point) and concluded in 2013, CIRNAC developed a plan for the cleanup of the site. The draft of the plan was presented at a community consultation public meeting in Gjoa Haven on January 23, 2014. The meeting was well attended by members of the communities and feedbacks from the meetings were considered when the final cleanup plan was developed.

The cleanup of the CAM-C site, planned for two (2) years (2017 and 2018), started in August 2017. The tasks completed at the site in 2017 include but are not limited to: mobilization of equipment and materials from Valleyfield to the site; improvement of site access routes, site internal roads and airstrips; Camp set-up and operation; and the collection of site surface debris. The remaining remediation will be completed in 2018 construction season. CAM-C project is scheduled for final completion by March 31 2019.

Prior to the start of the remedial works, authorizations were obtained from the following regulatory bodies: Nunavut Planning Commission for conformity check; Nunavut Impact Review Board (NIRB) for Screening; Indigenous and Northern Affairs Canada (INAC) for Land Use Permit; and Nunavut Water Board (NWB) for Water Use Licence.

Following the completion of site remediation (by 2019) at CAM-C, INAC will decommission the camp and other facilities set up on site to facilitate remediation and relocate all equipment and materials to the south. As no facilities will be left on this site, post-remediation, there shall be no need for post-remediation long term monitoring on this site (walk-away solution).

4. SOCIAL IMPACT OF THE PROJECT

As much as possible, the project has adopted and will continue to adopt solutions tailored to the northern environment and its inhabitants, by using local knowledge and including the unique needs of northerners and their environments in the remediation work plan.

Apart from the public community meeting held to present the draft Clean up plan to the community in 2014, other community consultation meetings are being held in Gjoa Haven as the site cleanup activities progress to discuss employment and sub-contracting opportunities and work progress.

The contracting/procurement procedure being adopted for this project aims at maximizing the benefits of the project to the closest northern community (Gjoa Haven) by employing local and northern employees and engaging the services of local and northern sub-contractors.

Appendix B:

CAM-C (MATHESON POINT) REMEDIATION PROJECT


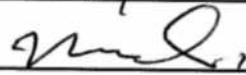
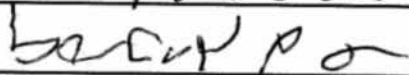

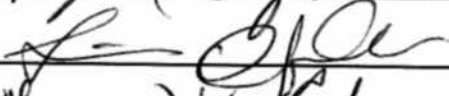
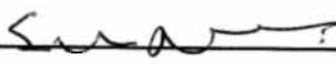
EXECUTIVE SUMMARY (INUKTITUT)

Appendix C:

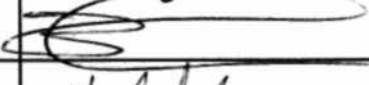

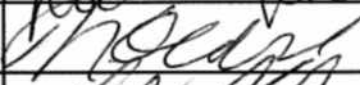

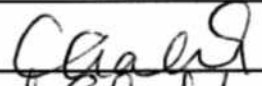
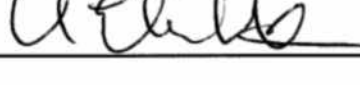


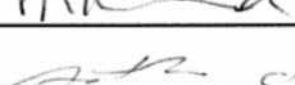


CAM-C (MATHESON POINT) REMEDIATION PROJECT MINUTES OF COMMUNITY MEETINGS

- Community Meeting held on January 30, 2014 to
present RAP (Attendance Sheet below)**
- No Community meeting in 2017 - Meetings shifted to
2018 - due to late arrival of sealift to site.**

CAM-C Matheson Point Remediation Project

#	NAME (Please Print)	SIGNATURE	TELEPHONE #
1	L-SIE Ullikataq	L-Sie Ullikataq	
2	ABEL TAVALOK	Mr TAVAK	360-7074
3	MARK Ullikataq	Mark Ullikataq	360-7595
4	EMILY PAULOSIE	Emilio Paulosio	360-7229
5	CTJ		
6	Shamus Poodlat		360-7072
7	Sammy Kogvik	Sam Kogvik	360-7962
8	Judassiah	Judassiah KAROO	360-7108
9	Billy Nimiglaq	Billy Nimiglaq	360-6355
10	Paul Q OOGAK	Paul Oogak	360-7595
11	BIEU-PUTUGUA	B. P. NAO	360-7513
12	Noah Sintinnuak		360 7116
13	SAUL. Q. A.	SAUL. Q.	360-6386
14	JANE-PUTUGUA		360-7513
15			
16	LC PPA		
17	Silas Oosuaq	Silo Oosuaq	360-6915
18	Abe Hjirig		360-7866
19	Miriam		360-7108
20	Raymond Ougshansk	Ran Ougshansk	360-6327
21	Simon Okpaleoh		360-6015
22	Lucy Akoak	Lucy Akoak	
23	Martha Poyalak	Martha Poyalak	
24	JOSEPH AKOAK	JOSEPH AKOAK	360 77 75
25	Susie Niapunnuaq		7052 360 7052

CAM-C Matheson Point Remediation Project

#	NAME (Please Print)	SIGNATURE	TELEPHONE #
26	Adam Niagunnag	Adam	360-7056
27	KATHY OKPAKOK	Kathy Okpaloh	360-6115
28	Joseph Agluktag		360-6362
29	Veronica Aduk	V. Aduk	
30	Bethy Ikuallaq	B. Ikuallaq	360-7330
31	Paul Ikuallaq		11 7330
32	Juul Apianag	Juul Apianag	
33	Nicholas Okpik		7115
34	Aldina Porter		360-7115
35	DAVID SIKSIK		
36	Cynthia R. Aduk		867-360-7460
37	Uriesh. Blaketa R		8673607013
38	GP do		
39	Mary Blaketa		
40	Trish Haka		867 360 6216
41	Shawn Kunasick		867 360 6206
42	Martha Kununak		867 360-6141
43	SAMANTHA Ikuallaq		
44	Karen Aduk		
45	Lillian SIKSIK		360-7074
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