



Water Resources  
Nunavut Regional Office  
P.O. Box 100  
Iqaluit, NU, X0A 0H0

July 9, 2018

INAC reference  
CIDM# 1222742

NWB reference  
#1BR-MTH1722

Richard Dywer  
Manager of Licencing  
Nunavut Water Board  
Gjoa Haven, NU, X0E 1J0

**Re: Crown-Indigenous Relations and Northern Affairs Canada Technical  
Review of Plans for CAM-C Matheson Point Site Remediation Project Type  
B water licence 1BR-MTH1722**

Dear Mr. Dywer,

Thank you for the emails received on May 29 and June 12, 2018 from the Nunavut Water Board concerning the above mentioned water licence. A technical memorandum is provided for the Nunavut Water Board's consideration. Comments have been provided pursuant to the Department's mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

Please do not hesitate to contact me by telephone at 867-975-4568 or email at [Lisa.Bachellier@Canada.ca](mailto:Lisa.Bachellier@Canada.ca) for further comments or any questions.

Sincerely,

Lisa Bachellier  
Water Resource Technician

c.c.: Ian Parsons, Manager, Water Resources, INAC  
Erik Allain, Director, Lands, INAC



## Technical Memorandum

**Re: Crown-Indigenous Relations and Northern Affairs Canada Technical Review of Plans for CAM-C Matheson Point Site Remediation Project Type B water licence 1BR-MTH1722**

Applicant: Crown-Indigenous Relations and Northern Affairs Canada-  
Contaminated Sites Division

Project: CAM-C Matheson Point Site Remediation Project

Region: Kitikmeot Region

---

### A. BACKGROUND

On May 29 and June 12, 2018 the Nunavut Water Board (NWB or Board) provided notification to interested parties that Crown Indigenous Relations and Northern Affairs Canada – Contaminated Sites Division (Licensee) had submitted plans for their Type “B” water licence # 1BR-MTH1722 for the CAM-C Matheson Point Site Remediation Project.

CAM-C was reserved by the Department of National Defence (DND) in 1956 for use as a DEW Line Site and was constructed in 1957. The site operated until 1963, when it was abandoned, and the responsibility for the site was assumed by Indian and Northern Affairs Canada (INAC). Since that time, the site buildings and the POL tanks at both the station and the beach have been removed or dismantled, leaving behind the concrete and wood foundations with miscellaneous debris. The radar facility that was constructed as a part of the North Warning System was typical of all intermediate sites and consisted of a module train, warehouse, garage, POL storage facilities at the station and the beach, a radar tower, and an airstrip. Access to the site is provided by an airstrip and the beach cargo area. The airstrip is 900 metres long it is located east of the station facilities. A fresh water lake is located approximately 2 km northwest of the station. Gravel roads were built linking the airstrip, beach areas and fresh water lake to the station facilities.

A 30 personnel camp will be set up for 75 days each year at the start of site construction.

All interested parties were asked to review five plans:

- CAM-C Site Remediation, Matheson Point, Nunavut, Reclamation Plan (Ref: EW699-172531), Englobe, May 2018;



- CAM-C Site Remediation, Matheson Point, Nunavut, Erosion, Sediment and Drainage Control Plan, Preliminary Version (Ref: EW699-172531), Englobe, September 2017;
- CAM-C Site Remediation, Matheson Point, Nunavut, Site-specific Health and Safety Plan, Section 4- Spill Contingency Plan (Ref: EW699-172531), Englobe, April 2017;
- CAM-C Site Remediation, Matheson Point, Nunavut, Erosion, Soil Treatment Plan, Final Version (Ref: EW699-172531), Englobe, September 2017;
- CAM-C Site Remediation, Matheson Point, Nunavut, Wastewater Treatment Plan, Final Version (Ref: EW699-172531), Englobe, September 2017;

Provide technical comments by July 10, 2018.

## B. RESULTS OF REVIEW

On behalf of Crown-Indigenous Relations and Northern Affairs Canada – Water Resources, the following comments and recommendations are provided for the Board's consideration.

### 1. Wastewater discharge criteria

#### Reference:

- CAM-C Site Remediation, Matheson Point, Nunavut, Wastewater Treatment Plan, Final Version (Ref: EW699-172531), Englobe, September 2017
- Water Licence 1BR-MTH1722, Former CAM-C Matheson Point, DEW line site remediation project, Nunavut Water Board, August 2017

#### Comment:

The present water licence has discharge criteria for leachate/runoff, which will presumably apply to any industrial wastewater discharged after treatment. The licence doesn't include discharge criteria for water from the sewage lagoons.

The Wastewater Treatment Plan, states that there will be some testing of water prior to discharge: "*Sewage lagoons will be discharged monthly after appropriate testing and settling takes place.*" No specifications are offered as to what is appropriate testing and settling.

#### Recommendation:

The Licensee should update the Wastewater Treatment Plan to clarify what criteria will be used for water discharged from the sewage lagoons. At a minimum, criteria should be proposed for BOD<sub>5</sub>, total suspended solids, Fecal Coliforms, Oil & Grease, and pH. This would allow the Board to have some oversight on the quality of water discharged.



## **2. Spill Contingency Plan appendices**

### Reference:

- CAM-C Site Remediation, Matheson Point, Nunavut, Site-specific Health and Safety Plan, Section 4- Spill Contingency Plan (Ref: EW699-172531), Englobe, April 2017

### Comment:

The Spill Contingency Plan available does not include any appendices, though the appendices are referred to throughout the text and contain important information.

### Recommendation:

The licensee should provide a Spill Contingency Plan that includes appendices.

Prepared by Lisa Bachellier and Sarah Forté