



Water Resources Division
Nunavut Regional Office
Iqaluit, NU X0A 0H0

Your file - Votre référence
1BR-FTA1217

October 11, 2017

Our file - Notre référence
CIDM #1181910

Karén Kharatyan
Acting Manager of Licensing
Nunavut Water Board
Gjoa Haven, NU X0E 1J0

**Re: Indigenous and Northern Affairs Canada's (INAC) Review of Transport
Canada's Water Licence #1BR-FTA1217 – Firefighting Training and Apron
Areas Remediation Project at the Cambridge Bay Airport**

Dear Mr. Kharatyan,

Thank you for the Nunavut Water Board's September 11, 2017 notice regarding the
above mentioned application.

INAC's Water Resources Division reviewed the amendment application submitted and
the results of our review are provided in the enclosed memorandum for the 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 at 867-975-4568 or Lisa.Bachellier@aandc-aadnc.gc.ca for any additional information.

Regards,

Lisa Bachellier
Water Resource Technician

c.c.: Ian Parsons, Acting Manager of Water Resources, INAC, Nunavut Regional
Office (NRO)
Erik Allain, Manager of Field Operations, INAC, NRO



Technical Review Memorandum

Re: Indigenous and Northern Affairs Canada's (INAC) Review of Transport Canada's Renewal Application for Water Licence 1BR-FTA1217 for the Firefighting Training and Apron Areas Remediation Project at the Cambridge Bay Airport

Prepared by: Amanda Bélanger, Water Resources Analyst, INAC

Applicant: Transport Canada

Project: Firefighter Training and Apron Areas Remediation Project

Region: Kitikmeot Region

A. BACKGROUND INFORMATION

On September 11, 2017 the Nunavut Water Board provided notification to interested parties that Transport Canada (the Licensee) had submitted a renewal application for their Type 'B' water licence #1BR-FTA1217.

The Hamlet of Cambridge Bay is located on Victoria Island in the Kitikmeot Region, Nunavut. The existing licence authorized the deposit of waste during activities associated with the remediation of hydrocarbon contaminated soils identified at both the Firefighter Training and Apron areas at the Cambridge Bay Airport. In addition to constructing a land treatment facility to remediate contaminated soils at both sites, a groundwater monitoring program was also established. Water use is not authorized under the existing licence.

The Licensee is requesting a ten year term renewal. The application is not seeking any amendments to the existing licence. Interested parties were requested to review the renewal application and provide comments by October 11, 2017.

B. RESULTS OF REVIEW

1. Updated Plans Submitted to the Board

INAC request a confirmation from the Licensee that the existing plans remain valid and in place under this renewal application. If this is not the case, INAC requests that the Licensee file updated plans with the Board for review.



2. Elevated Levels of Metal Concentrations

The 2016 Annual Report Executive Summary indicated that poly- and perfluoroalkyl substances were above Federal Environmental Quality Guidelines for aquatic receptors in the sump water's analytical results at the fire training area land treatment unit and that soil analytical results from the land treatment units at both sites indicated elevated levels of petroleum hydrocarbon fractions (PHCs). INAC requests clarification if these issues have been addressed as well as clarification on how they were addressed.

3. 2016 Annual Report

The January 2017 reports providing complete details regarding the works undertaken in 2016, which are alluded to in the 2016 Annual Report entitled: "Site Remedial Activities Supervision and Monitoring Program at the FTA" and "Site Remedial Activities Supervision and Monitoring Program at the Apron Areas" do not appear to be made available on the Nunavut Water Board Public Registry. INAC requests that the Licensee ensures a copy is provided to the Board for review.

4. Term of Licence

The Licensee is seeking a ten year term under their renewal application for the existing licence. INAC is in support of a ten year term renewal licence.