



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

August 3, 2018

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

INAC reference
CIDM# 1224683

NWB reference
#1BR-CLR1419

**Re: Crown-Indigenous Relations and Northern Affairs Canada – Waters
Resources Division Technical Review of Crown-Indigenous Relations and
Northern Affairs- Contaminated Sites Division Cancellation Licence for
Contwoyto Lake Former Weather Station 1BR-CLR1419**

Dear Mr. Dwyer,

Thank you for the emails received on July 4, 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 for further comments or any questions.

Sincerely,

Lisa Bachellier
Water Resource Technician

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



Technical Memorandum

Re: Crown-Indigenous Relations and Northern Affairs Canada – Waters Resources Division Technical Review for Crown-Indigenous Relations and Northern Affairs- Contaminated Sites Division Cancellation Licence for Contwoyto Lake Former Weather Station 1BR-CLR1419

Applicant: Crown-Indigenous Relations and Northern Affairs Canada-
Contaminated Sites Division
Project: Cancellation of Licence 1BR-CLR1419
Region: Kitikmeot Region

A. BACKGROUND

On July 4, 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 a Cancellation licence for their Type “B” water licence # 1BR-CLR1419 for the Contwoyto Lake Former weather station Site Remediation Project.

The Contwoyto Lake, former Weather Station Remediation Project is located on an unnamed island on Crown land approximately 190 Km southwest of Bathurst Inlet, Nunavut.

The Contwoyto Lake Weather Station was originally built in 1956 and operated by Pacific Western Airlines until 1978 when Transport Canada took over the site to build a navigational aid station. Transport Canada later abandoned the site and the Kugluktuk Hunters and Trappers Organization took over in 1984, using the buildings as an outpost camp. The Lands and Contaminated Sites Directorate of INAC recommended site clean-up in the 1990s and in 2013 a Remedial Action Plan was created to deal with discarded fuel drums, petroleum hydrocarbon contaminated soil and both hazardous and non-hazardous debris. Remediation activities occurred in the summer of 2014, with final demobilization of equipment in 2015. The Licensee submitted a Final Remediation Report to the NWB in 2016.



All interested parties were asked to review

- 1BR-CLR14 19 CONTWOYTO SIGNED LETTER TO CLOSE WATER LICENCE January 1, 2017
- 1BR- CLR1419 Cancellation Application , February 15 2017;
- 1BR-CLR1419 Contwoyto 2016 NWB Annual Report, March 13, 2017;
- 1BR-CLR1416 Contwoyto Signed letter to NWB for 2016 Annual Report, March 13, 2017
- 1BR-CLR1419 Final Remediation Completion Report February 2016 ARCADIS Part 1, March 10, 2018
- 1BR-CLR1419 Final Remediation Completion Report February 2016 ARCADIS Part 2, March 10, 2018
- 1BR-CLR1419 Final Remediation Completion Report February 2016 ARCADIS Part 3, March 10, 2018
- 1BR-CLR1419 Re Request for Closure- email cover, March 10, 2017
- 1BR-CLR1419 TABLE OF CONTENTS , March 13, 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.

After reviewing a letter dated June 23, 2017 regarding details of remediation of activities and the results of the confirmatory sampling that occurred on site March 2016 findings of the report indicated

- All non-hazardous and hazardous debris was containerized and transported off-site for disposal.
- All metals-impacted soil was containerized and transported off-site for disposal.
- The analytical results for confirmatory soil samples collected from the former areas of metal and petroleum hydrocarbon impact met the applicable environmental quality guidelines.
- Petroleum hydrocarbon impacted soil was treated on-site to within applicable environmental quality guidelines.
- Soil samples collected from the base of the land farm soil treatment area did not identify any detectable concentrations of petroleum hydrocarbons that would suggest that any migration of hydrocarbons occurred from the land farm during the course of the project.
- No further remediation work remains to be completed on site.



Water Licence Final inspection report dated July 10, 2017

Section 1

A CIRNAC Water Resources Officer conducted a final inspection of the Contwoyto Lake Weather Station Cleanup conducted by INAC Contaminated Sites Program (NU) on July 10, 2017. The officer indicated that the remediation for the project has been completed and all equipment removed. The site is well contoured with no signs of ponding in the excavated areas. The officer stated that “Authorizing bodies may close/cancel this file at their discretion”.

Crown-Indigenous Relations and Northern Affairs Canada Water Source Division has no major concerns or comments for this file and recommends cancellation since all requirements have been met.

Prepared by Lisa Bachellier