Executive Summary

The Iqaluit Former Vehicle Dump and Community Landfill (the site) is situated approximately 1.7 km southwest of the City of Iqaluit, Nunavut. The former dump and landfill occupies a total area of approximately 7.25 ha (72,500 m^2), which includes the up-gradient debris area and the lower area bordering the Sylvia Grinnell River.

The site is adjacent to the Sylvia Grinnell Territorial Park protected area and is within the administrative boundaries of Iqaluit as shown on Schedule A of the 2016 Draft Nunavut Land Use Plan issued by the Nunavut Planning Commission. The site is located within Nunavut Management Area 53 (Frobisher Bay Watershed).

Transport Canada (TC) proposes to implement a remediation project at the site to address the environmental and physical impacts associated with the historical military and municipal waste disposal at the site. The qualitative and quantitative effects of the proposed remediation project on the drainage basin as well as the anticipated impacts of the project are summarized in Table 1.

Table 1: Statement from General Water Licence Application

Application Section	Summary Statement
Location of the undertaking	Lot 667, Iqaluit, 69309 CLSR, NU Center of the site: UTM E521904.94, N7067812.69
Description of undertaking	The undertaking is the remediation of the former Iqaluit vehicle dump and community landfill and will include the following main components: • Removal of debris, contaminated soil and hot spot contaminated sediments and consolidation into on-site landfill or disposal off-site, depending on the waste stream. • Engineering decommissioning of the on-site landfill. • Monitoring of the performance of the remediation work.
Water use	• Temporary diversion of a drainage feature to remove impacted sediments/soil/debris. Improvement of the same drainage feature following the remediation with a rip-rap structure (as required) to act as a passive treatment system for the enhanced recovery of surface water and sediments downstream of the drainage feature. • Swale design to divert precipitation and melt water away from the decommissioned landfill slopes to prevent both erosion and water infiltration. • Collection of surface water samples from ponds and drainage features to monitor the natural recovery following the remediation program.
Quantity of water involved	For the diversion component and the landfill design, no water will be extracted. For the sampling component, the total extracted will be approximately 0.1 m^3.
Waste	The project will not create new waste. The project will remove off-site an estimated 1040 m^3 of hazardous waste and consolidate in the on-site landfill an estimate 3629 m^3 of bulk items/scrap metal.
Other persons or properties affected by the undertaking	No other users in the area to be affected by the remediation project.
Predicted environmental impacts of the undertaking and proposed mitigation	The undertaking will improve the environmental conditions of the site and enhance the quality of the downstream surface water environment. Impacts associated with the remediation projects are predominantly related to the use of machinery on site. A detailed list of mitigation measures have been compiled including a spill contingency plan, dust control measures, and

measures	sediment control measures.
Water rights	No other water rights in the area.
Proposed schedule	May 2017 to December 2020