

EXECUTIVE SUMMARY
2019 Annual Report for TC Licence No. 1BR-IAG1924
Iqaluit Airport Groundwater Sampling

Transport Canada retained an environmental consultant (AECOM Canada Ltd.) to conduct groundwater sampling at the Iqaluit Airport, Nunavut. The work involved drilling three (3) monitoring wells and taking ground water samples and occurred between October 28th and November 5th, 2019. Three (3) groundwater monitoring wells were installed near the southern airport property boundary. The purpose of sampling these wells was to determine if Per- and Polyfluoroalkylated substances (PFAS) associated with previous firefighter training was found in the groundwater and to understanding if the PFAS may be migrating off the airport property in groundwater.

A summary of the findings in each of the three (3) wells is provided below:

- MW19-01 did not have enough groundwater to conduct the sampling.
- MW19-02 had detections of PFAS that were below the Health Canada Screening Values for drinking water.
- MW19-03 had PFAS concentrations that were above the Health Canada Screening Values for drinking water.

While Health Canada Screening Values were used as the reference values, it is important to note that groundwater is not used for domestic drinking water supply in Iqaluit, and no water supply wells were identified within 500 m of the firefighter training area.

Transport Canada will keep the Nunavut Water Board apprised of its future plans for the monitoring wells in accordance with the NWB requirements.