

EXECUTIVE SUMMARY

2022 Annual Report for Transport Canada Nunavut Water Board Licence No. 1BR-MDR2126: Iqaluit Former Metal Dump

The 2022 Performance and Long-Term Monitoring (LTM) activities for the Iqaluit former metal dump at the airport took place on August 18 and 19, 2022. The monitoring was carried out by BluMetric Consulting on behalf of Transport Canada (TC) in accordance with the requirements of NWB licence No. 1BR-MDR2126.

A visual inspection of the site was conducted, the landfill cap and drainage swales are in good condition and working as planned. No areas of staining, seepage or erosion were noted in the vicinity of the landfill isolation cover; therefore, no seepage samples or soil samples were collected. A total of nine surface water samples and nine sediment samples, were collected at pre-determined locations located along the down-gradient drainage and pond system.

Zinc was found to exceed the environmental quality guidelines in two surface water locations. The sediment analytical results were similar to findings in past years and include exceedances of PCBs, Chromium, Cadmium and Zinc in a limited number of samples.