EXECUTIVE SUMMARY

The former FOX-C Intermediate Distant Early Warning (DEW) Line Site is located on the Northeast coast of Baffin Island, on the South shore of Ekalugad Fjord (68°42' N, 68°33' W). It is approximately 240 kilometres northwest of Qikiqtarjuaq and 260 kilometres south of Clyde River. The FOX-C DEW Line site was constructed in 1957 and subsequently abandoned in 1963.

The site is broken down into three main areas: Upper Station, Mid Station, and Lower Station. The main site facilities were located at the Upper Station and included a module train, warehouse, garage, a former Quonset building, Inuit house, bulk fuel storage tanks and a radar tower. The Mid Station includes a dump area, barrel storage pad, four former Quonset buildings and numerous barrel and debris areas. The Lower Station consisted of two parts: the Lake Area and the Beach Area. The Beach Area included two bulk fuel storage tanks, barrel caches and abandoned construction equipment.

Remediation took place over three field seasons between 2006 and 2008 and included the construction of a Non-Hazardous Waste Landfill (NHWL), the cleaning and disposal of drums, debris collection, contaminated soil excavation, hazardous waste removal, and building and structure demolition.

The FOX-C Ekalugad Fjord Long-Term Monitoring Plan was implemented in 2009 and includes visual inspection, groundwater sampling, soil sampling (if required), and natural environmental monitoring. Monitoring took place in years 1, 3, 5 and 8 and the next event will take place in 2018 (year 10). Future monitoring events are scheduled for years 15, 20, and 25, at which time a review will be conducted and the need for continued monitoring will be assessed.

Indigenous and Northern Affairs Canada Contaminated Sites Division is submitting an application to renew Water Licence 1BR-EKA1017 for a term of 17 years to conduct the remainder of the 25-year long term monitoring program to ensure that the NHWL is performing as designed and that potential impacts to the environment are sufficiently mitigated.