

# **APPENDIX C**

Executive Summary in English  
and Inuktitut

## **EXECUTIVE SUMMARY**

### **1. PROJECT BACKGROUND & LOCATION**

Resolution Island BAF-5 is located at the south-eastern tip of Baffin Island, approximately 310 km southeast of Iqaluit and just outside Frobisher Bay. It was part of the Pole Vault Line, used to transmit intercepted northern signals to southern military stations. This site was operated from 1953 to 1972 when the site was vacated by the U.S. Air Force. The site occupies an area of approximately 3 km<sup>3</sup>, and while in operation, over 200 people were stationed there. Over 20 buildings, 8 dump sites, over 4000 barrels, and large amounts of visible debris were left on site. A series of environmental assessments conducted from 1985-1997 identified and delineated contamination at site. The site was highly contaminated with PCBs from electrical equipment in the communications complex buildings, many buildings contained asbestos, and soils contaminated with hydrocarbons, lead, cobalt, mercury, and copper were also found. From 1997 to 2005, the site was under active remediation.

In 2006, following the clean-up and remediation of the site, a 25-year long term monitoring program was implemented based on the plan approved by the Nunavut Water Board titled *Resolution Island Long Term Monitoring Program (December, 2003)*. Since 2006, long term monitoring of the site has been conducted. Ongoing long term monitoring activities have identified areas requiring further remediation work.

### **2. PROJECT ACTIVITIES & SCHEDULE**

The proposed amendment is presented to address deficiencies identified through ongoing long term monitoring activities at Resolution Island. A Resolution Island Remediation Design Report is included in Appendix D. Project work is scheduled to start in summer 2018, with the mobilization of equipment to site via sealift/barge. In the summer of 2018 and possibly 2019, remediation work will occur for 2-3 months. Upon completion, all equipment will be removed from the site via sealift/barge. Throughout the construction activities, personnel will be mobilized to and from site via fixed wing aircraft and/or helicopter using the on-site airstrip.

Site remediation activities at Resolution Island will include:

- Establish a temporary camp to support site operations
- Excavation of contaminated soil associated with the permeable reactive barriers (PRBs) and removal and/or replacement of PRBs, as required
- Collection, containerization and off-site disposal of hazardous materials. This includes hazardous surface debris, PRB materials and waste fuel.
- Decommissioning of existing fuel storage systems.
- Incineration and/or off-site transport and disposal of waste fuels in barrels and fuel storage tanks.
- Excavation and off-site disposal of contaminated soil, as required.
- Roads and airstrip will be repaired as necessary

- Borrow sources will be developed and the material will be used to assist in the remediation work.

Continuation of the long term monitoring activities at Resolution Island is planned, in accordance with the plan approved by the NWB. Year 15 of 25 of the Resolution Island Monitoring Program is planned for the summer of 2021 and year 25 of 25 is scheduled for the summer of 2031. The long term monitoring activities include soil and water sampling, visual and thermal inspection of Tier II landfill, visual inspection of non- hazardous landfills and maintenance of the PCB Interceptor Barrier systems installed at the site.