



EXECUTIVE SUMMARY

1. PROJECT BACKGROUND & LOCATION

Aboriginal Affairs and Northern Development Canada (AANDC) has applied for, and secured, funds under the Federal Contaminated Sites Action Plan (FCSAP) for the investigation and remediation of FOX-D (Kivitoo, Nunavut) which was an Intermediate Distant Early Warning (DEW) Line Site constructed in 1957 and operated until October 1963. The site is located on the Davis Strait 50 km to the west of the nearest community, Qikiqtarjuaq, Nunavut, at approximately 67° 57' 01" N latitude and 64° 55' 04" W longitude. The site is accessible by fixed wing aircraft, helicopter, and sealift. Site maps and drawings are included in the Remedial Action Plan which can be found in appendix 4. The contaminants identified at the site include debris, PCBs, heavy metals, asbestos and hydrocarbons.

After military operations at the site ceased, the site became part of the Auyittuk National Park. FOX-D was within Auyittuk National Park under the management of Parks Canada until 1992, when custody of the site was transferred to AANDC. Parks Canada managed a partial cleanup of the site between 1973 and 1983. The site is composed of two areas: the Upper Site and Lower Site. All structures at the site were removed to their foundations, with the exception of two vertical fuel storage tanks and a smaller transfer tank left in place at the upper site.

The Upper Site is located at 450 m above sea level and consisted of a continuous wave tower, a main building train, a warehouse, a garage, two 75,000 litre petroleum, oil, lubricant (POL) tanks, and a small building that may have been an Inuit house. Shortly before the site closed in 1963, a fire completely destroyed the main building train, charred remains are still present at the site. To the northeast of these remains, two imprints of what were believed to be temporary accommodations are visible.

The Lower Site is located on a coastal plain to the south of the upper site. It originally consisted of two POL tanks, a beach landing area, drum storage and an airstrip. A freshwater lake, borrow source areas and a construction camp area were also present at the lower site. Currently, the foundation of the two POL tanks, the remnants of the airstrip, and one small shed are all that remain. The Upper Site to the Lower Site is connected by a 4 km access road.

2. PROJECT ACTIVITIES & SCHEDULE

The site investigation and characterization phases for this project were completed in the summer of 2014. A Remedial Action Plan (RAP) for the proposed activities was prepared and is included in appendix 4. Project work is scheduled to start in the summer 2016 with the mobilization of equipment to the site via sealift/barge. Once the equipment is on-site we anticipate working at the site for about a month or two before the camp is shut-down and winterized. In the summer of 2017 and possibly 2018 if need



be, project work will resume for another 2-3 months. Upon completion all the 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.

The RAP was developed using the INAC *Abandoned Military Sites Remediation Protocol (2009)*. This document identifies how INAC will handle most aspects of the site clean up. Site remediation activities at FOX-D will include:

- establish a temporary camp to support site operations.
- PCB and metal contaminated soil will be excavated and disposed of at an off-site licensed disposal facility.
- hydrocarbon contaminated soil will be treated using biological and/or aeration methods on-site combined with off-site disposal at an approved disposal facility.
- existing site infrastructure will be demolished and demolition wastes will be sorted into hazardous and non-hazardous materials and disposed of properly.
- non-hazardous waste materials excluding materials to remain in APECs 9 and 10) will be collected, consolidated and packaged for off-site disposal. APECs 9 and 10 will be regraded and remain in place.
- hazardous materials will be containerized and labelled in accordance with the Transportation of Dangerous Goods Act and disposed of off-site.
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- lead and PCB amended paint materials that are tested to be hazardous, will be dismantled and disposed off-site.
- materials in existing class C landfills will be remediated as described in the RAP.
- roads and airstrips will be reconstructed and repaired as necessary
- several borrow sources will be developed and the material will be used to assist in the remediation work.
- a Waste Handling Facility (WHF) will be required at the FOX-D site to temporarily store and sort various waste items.