

Cape Christian Abandonment and Restoration Plan

Site Summary

The Cape Christian site is located on the northeast coast of Baffin Island, approximately 16 km from Clyde River, Nunavut. A Long Range Navigation (LORAN) communications station was operated by the United States (US) Coast Guard at the site between 1954 and 1974, and was abandoned in 1975. The Cape Christian site comprised of 5 buildings, 6 above ground storage tanks, several oil barrels, an equipment yard, 2 surface dumps, 8 worked areas, hazardous waste, and contaminated soil.

Remediation at Cape Christian was completed in 2010 and the only structure that remains on site is a Non-Hazardous Waste Landfill (NHWL), which was designed to contain non-hazardous materials only. For details on remediation activities, please refer to the *Former US Coast Guard LORAN Station, Cape Christian, Nunavut Remedial Action Plan (January 2007)*.

A 25-year monitoring plan, as described in the *Cape Christian Long Term Monitoring Plan (2009, 2017)*, was implemented in 2011 and only the monitoring activities described in this plan are conducted during scheduled site visits (i.e., visual inspection, groundwater monitoring, soil sampling (as necessary), and natural environmental monitoring). There are 4 monitoring wells located on each side of the NHWL to collect groundwater samples to inform changing site conditions.

Waste

No hazardous waste will be brought to site. Any solid waste (packaging, paper towels, paper, kimwipes, filters, teflon tubing) will be hauled out and disposed in a municipal landfill.

A&R Plan

The purpose of the long term monitoring plan is to ensure that the NHWL is performing as designed and is containing waste. Should the performance of the NHWL deteriorate, care and maintenance activities will be requested to repair the NHWL to an acceptable condition.

Upon completion of the monitoring plan, the 4 monitoring wells will be removed from the vicinity of the NHWL.

Any areas disturbed as a result of monitoring activities will be restored as recommended in the Abandoned Military Site Remediation Protocol; as required under the water licence; and to the satisfaction of the Inspector.