

FOX-4, Cape Hooper is located on the East Coast of Baffin Island, at 68 26' north latitude and 66 44' west longitude, and was a former auxiliary site on the DEW Line. A Short Range Radar (SRR) was constructed by the North Warning System Office at the location of the former Upper Site facilities and an Airstrip remains in place at the Lower Site area.

FOX-4 was the first Department of National Defence (DND) site to undergo clean-up within Nunavut. The cleanup of the site occurred between 1996 and 1999 and was completed on behalf of DND as part of the DEW Line Cleanup (DLCU) Project. Remediation of the site included the demolition of site infrastructure not required for the operation of the NWSO SRR site, excavation of one dump (East Upper Site Dump), closing and remediation of six existing landfills (Airstrip Landfill; Barrel Dump; Helipad Landfills East and West; Tanner Bay Landfill; and West Upper Site Landfill), construction of two new landfills (Station Area Landfill and Lower Site Landfill), construction of the Tier II Disposal Facility and collection of site debris (UMA 2000).

The purpose of the proposed project activities is to ensure the site is in compliance with the DND-NTI Cooperation Agreement, which was not yet in place at the time of the clean up at FOX-4. During construction, contaminated soils identified during the 2010 Maintenance Assessment will be excavated and properly disposed of in on-site engineered landfills or at off-site facilities. Scattered surface debris and partially buried debris on the site will also be collected and disposed of. A new Non-hazardous Waste Landfill will be constructed to contain the non-hazardous contaminated soil and demolition waste generated during the clean up. A new Tier II Soil Disposal Facility cell will be constructed to contain Tier II contaminated soils excavated from the site. The existing landfills within the site will be remediated, as required. Disturbed areas will be physically restored to a stable condition shaped to match the existing terrain. Lastly, the monitoring program will be continued after the clean up has been completed.

FOX-4 is scheduled for clean up beginning in 2011 as part of the DLCU Project, with completion expected in 2013. The contractor will mobilize to the site in autumn 2011 and set up a temporary construction camp. The expected duration of annual clean up activities on site will generally be from mid-June to mid-September. During the winter months, work will cease and equipment and facilities on site will be winterized. It is expected that the contractor's workforce and accessory personnel will mobilize to and from the site from nearby northern communities. Completion of the clean up and demobilization of the contractor's facilities and equipment is anticipated for September 2013, typically in conjunction with the annual sea-lift. Long term monitoring of the landfills will continue upon completion of clean up (2013) and will continue for a 10-year period. After 10 years, the monitoring requirements will be re-evaluated.

The following activities will occur on-site to support the clean up work:

- Use of existing beach landing area, airstrip and roads at site for equipment transport, movement and access to work areas.
- Set-up of cleanup camp and equipment storage.
- Sewage from the camp will be handled with, at minimum, primary treatment (settling tank and lagoon) and discharged to ground surface. Sewage treatment and disposal will be in accordance with the Land Use Permit and Water Use License.
- Domestic wastes to be disposed of in the new Non-hazardous Waste Landfill.
- Demobilization of cleanup camp following end of project.
- Labour and equipment requirements are anticipated to include approximately 60 personnel, 40 pieces of heavy construction equipment and 10 support vehicles.
- Duration of work is anticipated to be approximately 3 months, not including winter shutdown period, over a period of three years.

The contract documents for the DLCU Project will require the contractor to clean up and remediate the area in which their activities took place. Following the completion of clean up activities, all vehicles and equipment, remaining fuel, supplies, and construction camp are to be removed from the site by the contractor. The construction specifications provide for a percentage of the payment for

mobilization/demobilization to be withheld pending a satisfactory withdrawal from the site. All work must adhere to the Environmental Protection Plan, which forms part of the contract documents.

The Department of National Defence (DND) and Nunavut Tunngavik Incorporated (NTI) have signed the DND/NTI Agreement for the Clean Up and Restoration of the DEW Line Sites within the Nunavut Settlement Area outlining the economic provisions. The agreement includes a Minimum Inuit Content (MIC) for the clean up contract and requirements for training, specifically related to the clean up activities. Generally, the contracts for the clean up of DEW Line sites include clauses requiring the contractor to maximize Inuit involvement. Inuit involvement in the clean up will include both employment and business (contracting) opportunities, and local purchases.

Typically, labour required for the clean up includes heavy equipment operators and general labourers, as well as environmental and engineering specialists. Other opportunities include cleaning and cooking staff and transportation. During the clean up there will likely be increased employment and business opportunities for members nearby communities, such as Qikiqtarjuaq, Clyde River and Pangnirtung. As the contract for the clean up of FOX-4 has not been awarded, the requirements from the communities are not confirmed. It is likely that a temporary self-sufficient construction camp will be established at the site to accommodate the contractor and other personnel.