

On behalf of DCC and the Department of National Defence (DND), UMA Engineering Ltd. (UMA) is providing the following amendments to the October 2000 project description. The proposed amendments were based on discussions with the Hamlet of Qikiqtarjuaq, as well as changes in construction requirements.

The first amendment to the project is that there will not be a landfill constructed on-site for the disposal of PCB amended painted materials. Materials containing PCB concentrations in excess of 50 parts per million (ppm) are being containerized and placed in a Temporary PCB Storage Area as per the Canadian Environmental Protection Act Storage of PCB Material Regulations (SOR/92-507). The containerized materials will then be transported according to the Transportation of Dangerous Goods Regulations to a licenced southern disposal facility for destruction.

The second amendment to the project is the construction of two landfarms for the remediation of hydrocarbon-impacted soils. One landfarm is at the Airstrip Area and one landfarm is at the Station Area, where the majority of the hydrocarbon impacted soils are located. Because of the distance between these locations, and the very poor condition of the road to the Station Area, it was determined that two landfarm areas would be required.

The first proposed landfarm site is located just west of the Heated Vehicle Storage area at the Airstrip Area near the Heated Vehicle Storage (HVS), south of the community airstrip on property currently owned by Nunavut Airports. The soil is predominantly a medium sand with trace gravel in the profile and some gravel and small cobbles at the surface. The topography slopes gradually towards the northwest boundary of the landfarm and is bisected by a number of small drainage channels. A larger drainage channel running along the northwestern, downgradient edge of the landfarm collects drainage from the road and HVS area above the landfarm. The only debris in the area consists of one barrel half-buried in the drainage ditch near the middle of the landfarm length.

The second proposed landfarm location is at the Station Area. Most of the site is in disturbed terrain covered by gravel fill and buildings. Undisturbed terrain occupies part of the north side of the site. A road leads from the garage to a gravel pad at the east end of the site. The area between the garage and module train is relatively flat. Beyond the garage, the road slopes gently down to the northeast.

Undisturbed native terrain comprises boulders with isolated pockets of vegetation and sandy soil. The areas of native soil typically slope down, away from the station area. Bouldery terrain was also identified in some disturbed areas, where boulders were likely moved to make room for construction.

The last amendment refers to the location of the Tier II Soil Disposal Facility and Non-Hazardous Waste Landfill. Based on discussions with the Hamlet of Qikiqtarjuaq, additional locations for these landfills were investigated in September 2002. The final location, called Landfill N, was chosen based on both environmental and engineering suitability. Landfill N is located at the middle site between the main station and the community.

The area is at the top of a pass approximately 30 m south of the station road. Drainage from the area flows west down towards the community landfill approximately 3 km west of the area. Ultimately, the drainage flows to the ocean approximately 4 km from the proposed site.

The area is undisturbed ground with soils consisting of sand with sorted gravel, cobble and boulder strands. The area north and south of the proposed landfill area contains more and larger boulders. Vegetation consists of mosses and a small amount of grasses. The area slopes to the west at a grade of 6%.

During the environmental investigation a number of test pits were excavated to frozen ground and soil sampled were collected. No contamination was detected in any of the samples analysed. As well, there was no debris noted in the test pits during excavation.

Details of the construction of the Tier II Soil Disposal Facility and the Non-hazardous Waste Landfill were included in the original project description, and have not been included.