

A Soil and Water treatment facility is proposed to be built northeast of Cambridge Bay. The proposed facility will be located nearby the landfill, approximately 650 meters northeast of Hamlet and The proposed facility will help the community manage fuel contaminated soil and water. It will be used to remove petroleum byproducts from the contaminated soil, water and snow. The treated soil will be sent to the landfill to provide soil cover. The land for the facility will be leased from the Hamlet and it is expected to be operated for a period of five years.

The facility consists of three lined and bermed areas for soil, water and hazardous waste storage. Contaminated soils from will be transported to the facility by trucks, then mechanically aerated with an excavator or tilling equipment. If needed, the process will be amended to include microbial activity to achieve contaminant degradation. Treated soils will be tested to ensure the contaminant levels are reduced below the established criteria, if so, the soils will be reused as a cover material at the landfill.

Fuel contaminated water will be treated using an on-site water treatment process. Treated water then can be used as a moisture amendment on the soils being treated, or be discharged as per Government of Nunavut Department of Environment requirements. Soils that need to be shipped to an authorized disposal location will be contained temporarily within the waste storage area.

Before construction starts, soil and water samples will be collected from the site to establish pre-construction contamination levels. The sampling will continue throughout the treatment operations to monitor environmental conditions.