

Technical Summary of Pond Inlet Environmental Facilities

Pond inlet is located at 72°42'N Latitude and 77°59'W longitude, on Eclipse Sound on the Northern edge of Baffin Island. The current population is about 1648. There are five Environmental Facilities under the Hamlet Water License: (1) Water supply system; (2) Sewage Lagoon; (3) Landfill site ;(4) Bulky metal site and (4) Land farm.

(1) Water supply system:

The community currently receives water from Water Reservoir, located about 4.4 km south of the Air Port. This is supplemented during the summer months with water pumped from the nearby Salmon River. This River freezes up during the winter season. The storage reservoir is filled up with water extracted from this stream during summer only. At the end of every summer, this reservoir is filled up for annual supply. Water is pumped into the Tank of the water truck through the truck fill station. Water is disinfected by chlorine inside the truck fill station before delivery into the Tank. The chlorine treated water is then distributed to the community by truck. No modification work was carried out in this facility during the life time of this water license.

(2) Sewage Lagoon:

The wastewater of this Community is treated by an Aerated Lagoon built in 2005. This Lagoon is mainly used for annual storage and partial treatment. The effluent is finally treated in the wetlands before meeting the receiving body. The annual decanting of the sewage lagoon takes place once at the end of September in each year. No modification work was carried out in this facility during the life time of this water license.

(3) Landfill site:

This site is located next to the Sewage Lagoon about 1.6km from the community. This is an open landfill which accommodates all different types of domestic wastes. Every summer Hamlet normally burns combustible wastes like paper, wood etc. The Land fill is compacted and covered on a yearly basis.

(4) Bulky Metal site: This site is located next to the Sewage Lagoon. Waste is segregated, with generic landfill area, a bulky wastes area, and a sealift container for hazardous wastes. The Facility has never been designed. Metals are just dumped here and there.

(5) Land Farm: This is a new facility built very recently for biodegradation of contaminated soil. As built drawings and O&M manual are available.

The existing old dead Sewage Lagoon is being planned for designing for decommissioning soon.