

Technical Summary of the Environmental Facilities of the Hamlet of Pond Inlet

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Hamlet of Pond Inlet is located on the Northern edge of Baffin Island at latitude 72°42'N and longitude 77°59'W. Pond is a small Community of population about 1,529. The Environmental infrastructure under Hamlet of Pond Inlet water License # 3BM-PON 1012 consists of a water supply system, sewage Lagoon, landfill, land farm, water crossing and bulky metal site serving the entire population of the Community.

Water Supply System: The Hamlet of Pond inlet receives water from the natural Lake which is filled every summer pumping water from the Salmon River. The water Truck filling station is located at the bank of the natural lake. Raw water is chlorinated prior to truck delivery to the Community. The water lake is roughly 4.40km away from the community. The WTFS is operated by a diesel Generator. A bathymetric survey was conducted to the natural lake three yrs. ago.

Sewage Lagoons: The New Sewage lagoon was built in 2005. This is a lined single cell lagoon with a provision of gravity drainage. The mechanical gravity drainage system does not work. Hamlet uses a diesel pump during decanting each summer. The old lagoon is not used and not decommissioned yet. Hamlet will be installing monitoring signage with GPS coordinates in the wetland this summer.

Solid Waste Site: This is a non-engineered facility located next to the new sewage lagoon. Hamlet is receiving different type of wastes everyday and transport them by garbage truck to the landfill site. This site has a capacity issue and not fenced. Hamlet burns combustible waste and remaining waste is compacted and covered each summer. No design drawing and O&M plan are available for this facility. Hamlet is planning segregation of Hazardous wastes this summer.

Landfarm: This is relatively a new facility and built in 2007. This is an engineered facility and located opposite to the sewage lagoon at the sea side. The community contaminated soil is treated in this facility.

Dump Site: This site is located next to the Landfarm and not fenced. This site has a capacity issue. The Bulk materials are not segregated.

Water Crossing: Hamlet wants to have an access road to Salmon River and this access road has water crossing about 4km away from the Hamlet office. Hamlet is planning to build a culvert this summer.

Hamlet has received all the signage and will be installing them soon to continue comprehensive Monitoring program this summer.

Finally lagoon was tested with DYE two years ago and found no leakage. This lagoon is working fine.

Hamlet is planning for power connection to the water truck filling station to reduce O&M expenses.

They are expecting to have a new solid waste site in near future to manage community waste effectively.

