

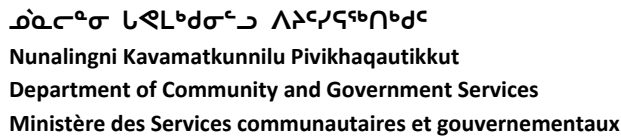


EXECUTIVE SUMMARY

The Hamlet of Chesterfield Inlet utilizes First Lake (also known as Puiqsuk Lake) for potable water with the authorized quantity of water not to exceed 20,000 cubic metres annually. Water is pumped annually from First Lake and transferred via overland pipeline to the rock-blasted reservoir located approximately 150 metres west of the community. The water intake pipe from the reservoir delivers water to the pumphouse where chlorine is injected as water fills trucks for delivery. The Amendment/Renewal Application is requesting that the amount of water licenced be increased to 23,000 cubic metres annually to meet the 21-year water demand of the community.

The Hamlet of Chesterfield Inlet provides trucked sewage collection service. The sewage treatment facility is located approximately 2.2 km west of the community. The facility was upgraded in 2010 and is comprised of two truck discharge areas, two sewage detention cells, and a wetlands area with a series of four small ponds and two flow diversion berms. The wetlands encompass an area that is approximately 10.4 hectares. Effluent flows 800 to 1000 metres through the wetlands from the sewage detention cells to the marine environment of Finger Bay on Hudson Bay. The truck discharge adjacent to pond 1 is primarily used due to the orientation of the second discharge area with respect to prevailing winds.

The Hamlet of Chesterfield Inlet solid waste disposal facilities consists of a fenced disposal area for municipal solid waste located 2.2 km west of the community, and a separate bulk metal disposal area approximately 200 metres south of the fenced area. The fenced area is approximately 24,000 cubic metres and contains a seacan used to segregate household hazardous waste such as old batteries. A flow diversion berm was constructed in 2010 to prevent runoff from flowing into the sewage wetlands area. The Hamlet collects solid waste from community buildings Monday to Friday.



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