

## **Hamlet of Chesterfield Inlet Municipal Water License Renewal**

### **Application Summary**

**February 2009**

The Hamlet of Chesterfield Inlet has submitted an application to the Nunavut Water Board to renew its Water License for a 10 year period. The main activities controlled by the water license are described in this summary.

The Hamlet proposes to continue pumping water from First Lake each summer to the storage reservoir to distribution by truck to users in the community. The water is chlorinated at the truck fill station before being pumped into the delivery truck. No changes to this system are proposed.

Sewage will continue to be discharged from trucks into the tundra wetland treatment system, located approximately 2.5 km west of the community. Effluent flows northwest from the truck dumping station and receives treatment in the wetland. Changes to this system have been proposed, including the construction of two (2) holding cells and two diversions berms. The holding cells will contain truck-discharged effluent until release during the late summer/early fall. Diversion berms will be constructed near the end of the tundra wetland to define a new compliance point and channel effluent through it. Signs identifying the wetland will also be posted.

Solid waste will continue to be collected from the community on its scheduled basis and be deposited into the solid waste facility. Combustible solid waste will continue to be burned when conditions are acceptable. Bulky metal wastes will continue to be stored in the area adjacent to the landfill however plans will be made to clean-up the abandoned landfill site located adjacent to the tundra wetland to protect water quality within the wetland. One change to this system has been proposed; a diversion berm will be constructed within the facility to channel leachate into the tundra wetland for treatment.

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