

## **Project Summary**

### **Municipality of Qikiqtarjuaq**

The Municipality of Qikiqtarjuaq is a small community of Nunavut and located on Boughton Island, Latitude 67°33'00" and longitude 64°02'00". The Current population in 2024 of this Municipality is 673 and water consumption in 2023 was 23,797,780.60 liters.

The Water License of this Community # 3BM-QIK1924, Type B was issued on September 20, 2019 and will be expired on September 19, 2024. This License covers Water supply system ( Water source, Water treatment plant and Water storage reservoir), wastewater Treatment facility (Sewage Lagoon) and Solid Wastes ( Domestic wastes/Landfill, Metal wastes and contaminated wastes) site.

#### **Water Supply System:**

Water source: This Community has a single potable water source which is Tulugak River. This flows only in summer. The rest of the time of the year, it normally freezes up.

Water Storage Reservoir: This Reservoir is a containment structure of design capacity 31,500 m<sup>3</sup> and this usually gets filled by gravity from Tulugak River.

Water Treatment Plant: This facility has one micron filtration system but no use. The water is disinfected by Sodium hypochlorite at the Plant and trucked to holding tank in each community building. Water quality is maintained by bacteria testing and chemical analysis in an accredited lab in the south.

#### **Waste water Treatment:**

Waste water treatment Facility: In this Community ,wastewater is treated by an unlined two cell lagoons and these lagoons are decanted each summer. The effluent gets further treatment in the wetland area which is located in between the lagoons and the marine environment.

#### **Solid wastes management:**

Domestic wastes/Landfill: The Community's domestic wastes are regularly dumped in the landfill area and compacted by a bulldozer. This facility is fenced.

Metal dump site: The metal dump site is located on the opposite side of the Landfill site and it has no fencing.

Contaminated Wastes: The contaminated wastes are dumped in one corner inside of the land fill site. Once the land farm is built, the contaminated material will be treated there.

Action Taken: The Community is planning to investigate the possible seepage through the berms of the water reservoir berms and the sewage lagoon berms. They are also planning for a study to identify the secondary water source and get it certified by the NWB soon.

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