

# Gwayasdums Village

## System Profile



Water Treatment Facility

The Gwayasdums Village on Gilford Island operates a water treatment plant and water distribution system. The village is only accessible by float plant or boat. The water treatment plant is certified as a Level 3 Treatment Plant while the distribution system is certified as a Level 1 Distribution System. The higher certification level of the treatment plant is due to the complexity of the water treatment plant.

The Kwickwasut'inuxw Haxwa'mis First Nation had previously been on a Do Not Consume Order for years prior to the upgrading of the water system. The previous wells that supplied water to the village had experienced salt water intrusion. After numerous studies, an upgrade to the water system occurred.

The new water treatment plant consists of 2 working Reverse Osmosis Plants working in parallel. Their flow rate through the RO units is 5 GPM or almost 19 lpm. The RO units are able to handle the brackish water that the wells supply. A new well was

constructed that improved the raw water quality somewhat. As well, a new generator was required to ensure the power supply to the plant would be un-interrupted.



RO Units and chemicals

The plant supplies water to 15 individuals during the low season and up to 40 individuals during the high season. They are constructing new houses now on the island with 26 new homes to be built and 6 currently underway now.



View from the Village of Gwayasdums

The upgrade to the water system included the installation of water meters on all water services. This has helped with leak detection and consumption. Consumption has been reduced by 66% since the commissioning of the water treatment plant through the locating and repairing of leaks.

Thanks to Joe Jewell INAC Circuit Rider and Dave Johnson Operator