

Victoria Harbour Water Treatment Plant Expansion

Client: Township of Tay

Year: 2011 - 2015



SERVICES PROVIDED

Additional capacity was needed at the Township of Tay's water treatment plant to meet increasing residential water demands in Port McNicoll, Victoria Harbour and Waubaushene. CCTA conducted a Class EA Schedule C study, which concluded the best solution is to expand the WTP to a firm capacity of 8,150 m³/day in two phases. After a detailed evaluation, pressure membrane filtration followed by UV-oxidation were selected as the preferred treatment processes.

CCTA designed the first phase of the expansion which consists of: replacing the low lift and high lift pumps; replacing the three package filtration units with pressure membrane filtration units; replacing the building's heating system with a natural gas boiler system; adding a new transformer and diesel generator; and replacing the MCCs and SCADA system. All new equipment was accommodated within the existing WTP and low lift pumping station. Construction of Phase 1 was completed in August 2015 with CCTA providing inspection and contract administration services.

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