

Lagoon City Sewage Treatment Plant

Client: Township of Ramara

Year: 1999 - 2008



SERVICES PROVIDED

CCTA, as the Township of Ramara’s engineers, has been providing ongoing technical assistance and design services to upgrade and expand the Lagoon City sewage treatment plant, an extended aeration sewage treatment facility with effluent discharge to Lake Simcoe.

Following a thorough evaluation of the sewage treatment plant, CCTA recommended upgrades for process optimization to improve operation and performance and to meet current day safety standards. CCTA designed, amongst other upgrades, a septage receiving facility with odour control and an improved sludge management facility. A staged upgrading program was developed focused on the long-term objectives for the plant.

CCTA designed the expansion of the sewage treatment plant from a capacity of 1,713 m3/day to 2,273 m3/day, to accommodate the servicing of the village of Brechin and future growth. The sewage treatment plant expansion works comprised the addition of a secondary clarifier, UV disinfection equipment in a building expansion, a biosolids aerobic digester and storage tank, and a new blower building. The \$3.0M project was completed in 2008.

Key Staff: Rex Meadley, Tim Collingwood, Suzanne Troxler, Colin Kent



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