

Medora Leachate and Septage Lagoon Facility

Client: District Municipality of Muskoka

Year: 1997 - 2003



SERVICES PROVIDED

The Medora Leachate and Septage Lagoon Facility provides collection, treatment and disposal of leachate generated by the closed Eveleigh Landfill site and hauled septage from local residences.

CCTA was retained to resolve deficiencies in the existing leachate collection system, which was impairing water quality in a nearby stream, and to improve the operational performance of the facility. A Schedule 'B' Class Environmental Assessment Study concluded that the most appropriate solution was to reconstruct the existing leachate collection system, install a septage receiving structure to reduce solids loading, construct two new lagoons and improve the treatment of leachate and septage by combining the two waste streams into a single co-treatment and disposal process.

The Facility upgrades were constructed under 2 separate contracts in 1999 and 2002 at a total cost of \$0.55M. Routine monitoring of the facility since 2003 has shown that the innovative facility upgrades have resulted in a significant improvement of surface water quality, while having the added benefit of simplifying facility operation thus operating costs.

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