

# KINGFISHER LAKE WATER TREATMENT PLANT

## Client

Kingfisher Lake First Nation

## Services

Pre-Design  
MOE Approval  
CEA Approval  
Detailed Design  
Tendering  
Contract Administration  
On-Site Inspection

## Reference

Mr. Aaron Swansburg  
807 623-3534

Year  
2009



KAL provided engineering services to design the Kingfisher Lake Water Treatment Plant. The facility utilizes a dual train conventional water treatment system with full redundancy. The maximum design flow for each water treatment train is 4.65 litres/sec (402 m<sup>3</sup>/day). Each treatment train produces safe drinking water meeting O.Reg 170/03 at all possible flow rates equal to and less than 4.65 litres/sec.

The scope of work for the water treatment plant incorporates the following building characteristics:

- 460 m<sup>2</sup> building
- Two conventional filtration units
- Concrete below grade reservoirs
- High lift pumping system
- Chemical feed system
- SCADA system
- On-line instrumentation for continuous monitoring.
- Truck haul fill station
- Washroom and shower facilities.
- Work Room
- Emergency back-up generator
- Various other associated works.