

## Sewage Treatment System



### Case Study Details

Vale was expanding their Voisey's Bay Mine and needed a new sewage treatment plant for the buildings. H2Flow designed and supplied a complete packaged system for an outdoor environment. System was rated for 358 m<sup>3</sup>/day.

Due to customer preference and familiarity, the technology chosen was extended aeration. All the treatment unit were custom built and made of prefabricated rectangular steel tanks.

The system consisted of a primary screen, equalization chamber, sludge holding chamber, pre-anoxic chamber, aeration chamber, clarifier chamber, UV disinfection, sludge dewatering press and main control panel.

Three ISO containers were utilized to house some of the equipment.

**Engineer:** Hatch

**Start-Up:** June 2018