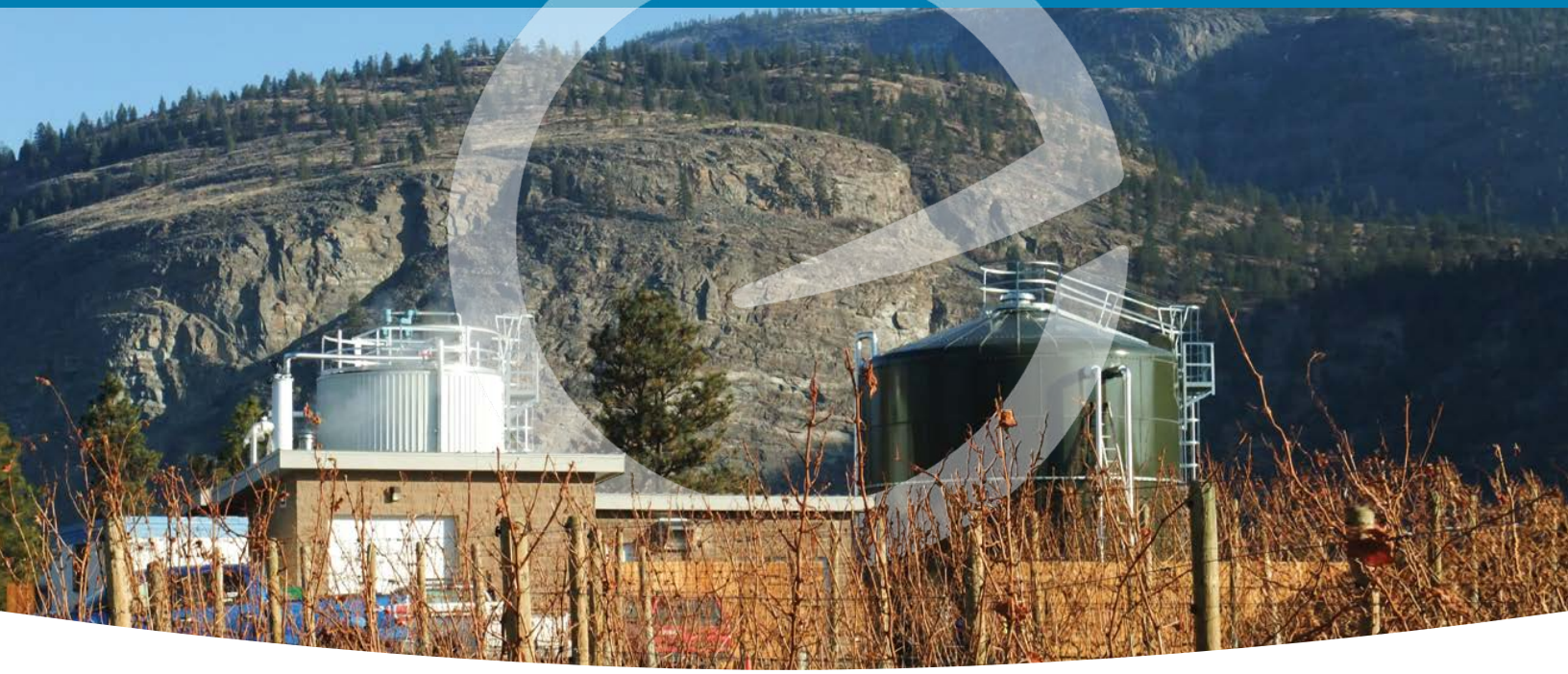
ENVIRO – STEWARDS
engineering change

Wastewater Solutions
Case Study



Prevention, then Treatment, **Reduces Capital Cost by 50%**

Jackson Triggs Winery, Oliver, BC

Effluent from the Jackson Triggs winery was consuming the majority of the town's effluent treatment capacity, which was limiting the town's capacity to grow. Enviro-Stewards economically addressed this challenge by preventing 2/3 of the waste at source and anaerobically treating the remainder.

As illustrated in Figure 1, in-plant P2 work conducted by Enviro-Stewards with staff from the winery in 2005 and 2008 reduced the organic loading by 2/3 and the volume of wastewater by 1/2.

Enviro-Stewards then designed an anaerobic treatment system to economically treat the remaining organics in the facility's wastewater. The treatment system is removing 97.5% of the remaining organics and eliminating the facility's sanitary sewer surcharge (Figure 2).

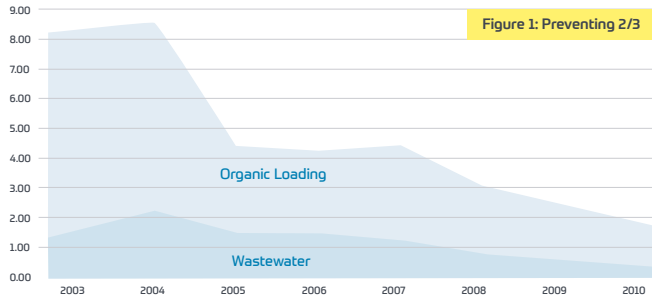


Figure 1: Preventing 2/3

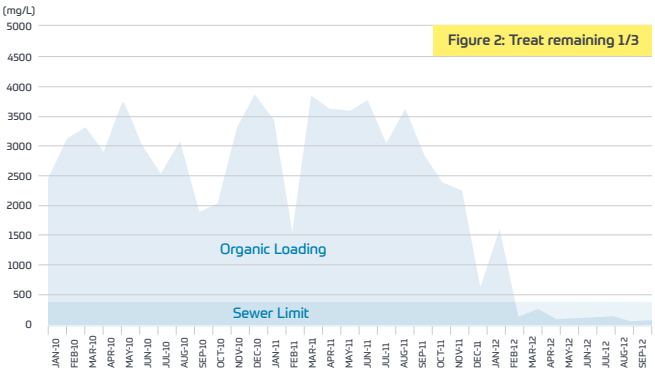


Figure 2: Treat remaining 1/3