

CASE STUDY

BOD REDUCTION IN A BREWERY THROUGH THE ADDITION OF BCP80 AND STIMULUS

BACKGROUND

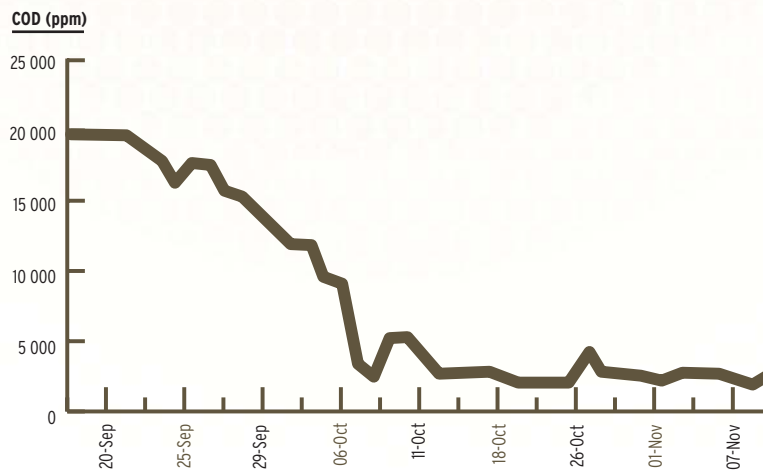
A Southern Ontario brewery produces high-strength BOD waste, including waste beer, from their processing. The waste typically is in the 8,000 - 12,000 ppm range and causes issues with discharge.

There are a series of tanks that are treated with STIMULUS and BCP80. The treatment process is a weekly feed of diluted STIMULUS and BCP80 to the tank with constant pH monitoring and control. The tanks were retrofitted with SAR® aerators to provide a source of oxygen for the biomass.

DISCUSSION

The treatment has been operating for some time. The results have shown a consistent and remarkable reduction in BOD loading of the waters. The attached graph shows a significant reduction in COD that is directly related to BOD at a 2:1 ratio in this particular case.

BREWERY WASTE



The treatment levels have reached an equilibrium state in which even when additional waste was added the results showed a further reduction.