

Biorem Odour Control System



Case Study Details

The wastewater treatment plant in Tillsonburg, Ontario is located almost in the centre of the downtown area, nearby several homes and a park which is enjoyed extensively by the town residents. The WWTP includes three aerobic digesters which were creating unpleasant smells and the County would receive numerous odour complaints each year.

To handle the odours, the County of Oxford and Stantec Consulting decided on using a biofilter to treat the air from the digesters. As space was at a premium in the plant, the Biorem Basys Modular Biofilter system was the ideal choice as a solution to this problem. The system was installed in late 2007 and has been operating successfully since then, with no odour complaints from local residents.

The system was designed to treat 2,330 cfm of air containing up to 42.5 ppm of hydrogen sulphide. The Biorem Basys 24 system, containing Biosorbens inorganic biofilter media, removes a minimum of 99% of the hydrogen sulphide.