Sustainable Wastewater Solution Reduces Footprint and Biosolids Production by 90%

Worldwide, the challenges of wastewater treatment are changing. Driven by climate change and growing populations, there is a need to find faster and more effective solutions.

A large wastewater treatment facility in Europe uses conventional activated sludge (CAS) to treat wastewater across a large number of its treatment assets. The systems have large footprints, limited operating ranges, generate significant levels of secondary biosolids, are costly to maintain, and require significant operator oversight.

Microvi MNE™ for wastewater treatment is a low cost, small-footprint system that removes pollutants utilizing biocatalysts. Microvi's technology targets pollutants such as ammonia and completely degrade them into harmless products.

Using Microvi MNE™, wastewater treatment only required a retention time of 6 hours (vs. 12 hours for CAS). Moreover, nitrification at temperatures below 5°C/41 °F were achieved with full soluble BOD/COD removal.

Project Details

Site Owner: Large Wastewater Facility in Europe

Engineer: Microvi

Issue: Removal of BOD and ammonia in a small footprint due to population growth

Solution: Microvi MNE™ for Wastewater Treatment

Key Results:

- Reduced Chemical Use
- High Removal Efficiency
- Small Footprint
- Easy to Operate
- <10% of sludge generated compared to activated sludge system

CONTACT US TO LEARN MORE →

26229 Eden Landing Rd., Hayward, CA 94545
Tel: (+1) 510.344.0668 Email: info@microvi.com

www.microvi.com