



MBR System Saves Illinois Business More Than \$100K Compared to City Sewer Connection

Project Name: COMMERCIAL STORAGE FACILITY
System Specifications: BIOBARRIER MBR UNITS
Distributor: BihlerTech, Inc.
Contractor/Installer: N.E.T Excavation

Overview

Faced with a 1320-foot distance to connect to the centralized wastewater treatment system, the owner of a commercial storage facility in the center of Bradley, Illinois began exploring decentralized options. To gain decentralized system approval, the town required installation of a NSF/ANSI Std 350 certified water recycling system to accommodate the flow from restrooms and other facilities for office workers.

Kurt Bihler, BihlerTech, and Ray Tebo, N.E.T. Excavation, designed and installed a complete wastewater treatment system including a BioMicrobics BioBarrier 0.5 (500-GPD) Membrane BioReactor (MBR) built inside installed within an Infiltrator IM-1060 tank. The modular BioBarrier MBR system uses advanced technology to produce recycled water. The IM-Series plastic tanks used in this project offered exceptional strength in a lightweight and easy to transport design.

The approved wastewater treatment system design also featured an IM540 lift tank, followed by another IM540 tank with a SaniTEE 416 (1/16-inch) Screening Device for solids retention. The BioBarrier 0.5 MBR was followed by a 2-foot by 10-foot 1202GEO drainfield. The field was installed at the precise location where a double-ring infiltrometer tested the hydrologic conductivity of the soil. The recycled water is then dispersed at .5 GPM rate for high quality process control. An IPC Duplex Control Panel controls the Champion pumps. The total footprint of the system is 8-feet x 40-feet.

Installation of the BioBarrier system provides effective wastewater treatment, meets town regulations, and resulted in more than \$100K savings for the property owner as compared to the centralized sewer connection!

For more information contact BioMicrobics at 1.800.753.3278; email sales@biomicrobics.com or visit us at www.biomicrobics.com.

#####

About BioMicrobics: In 1996, BioMicrobics, Inc. was founded by a wastewater conglomerate to commercialize the FAST® Technology, first developed in 1969 for workboats and ships, to treat wastewater for decentralized homes and communities. As a global leading manufacturer of decentralized wastewater, septic system enhancements, and stormwater systems products, BioMicrobics has decades of real world operating history. Through a worldwide distributor network, BioMicrobics has been recognized as a leader in exporting with Awards for Excellence in Exports.

Used successfully in municipal, industrial, marine, commercial and residential type applications for over 35 years, BioMicrobics popular wastewater treatment systems are based on environmentally sound and simple scientific principles to deliver consistent high performance.