

GES Biotek Upgrades Biofilter with Durable Media

City of Monroe WWTP Replaces Woodchips with Enhanced Cell-Max™ Plus

GES Biotek recently supplied 5,200 cubic feet of **Enhanced Cell-Max™ Plus (ECMP)** media along with **HDPE support screen** for the replacement of the existing woodchip-based biofilter media at the **City of Monroe Wastewater Treatment Plant** in Monroe, Wisconsin.

The new ECMP media will provide:

- **Durable engineered-media**
- **Stable bed structure**
- **Increased treatment margin**
- **Reliable long-term biological odor control**

Load 'em Up and Ship 'em Out!

GES Biotek shipped three truckloads of media and support screen to Wisconsin for the biofilter media retrofit.



Project At A Glance

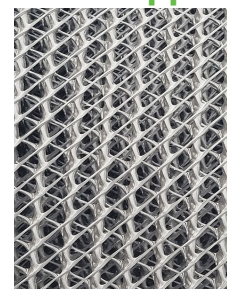
Project location	City of Monroe Wastewater Treatment Plant, Monroe, Wisconsin
Media supplied	5,200 cubic feet of Enhanced Cell-Max™ Plus
Existing media being replaced	Woodchip-based biofilter media
Support screen	One 13-ft × 180-ft roll of HDPE support screen
Media-bed footprint	36.57 ft × 36.57 ft
Treatment area	1,337 sq ft
Average media depth	3.9 ft
Empty-bed residence time (EBRT)	~36.7 seconds
Face velocity	~6.36 ft/min (at design airflow)
Normal H₂S concentration	~25 ppmv
Peak H₂S concentration	up to 100 ppmv
Media warranty	20-year prorated (covers physical durability)



Enhanced Cell-Max™ Plus

ECMP is a porous, engineered inorganic media designed to support attached biological growth while maintaining the open void space required for consistent airflow. Unlike conventional woodchip media, ECMP resists decomposition, settlement, and loss of bed structure, reducing the frequency of media replacement. This media comes with a 20-year prorated warranty.

HDPE Support Screen



Our **HDPE support screen** provides a media-retention layer over the raised air-distribution floor, helping prevent media migration while preserving the open space required for airflow distribution and drainage.

Proudly made in the USA, GES Biotek recycled glass biofilter media is a preferred choice for cutting-edge, eco-friendly odor control solutions.