

GES Biotek Supplies ECMP Media for Biofilter Rehab

Central Treatment Plant • Headworks and Grit Biofilter • Tacoma, WA

GES Biotek has completed shipment of **5,200 ft³ of Enhanced Cell-Max™ Plus (ECMP)** media and one 13-foot × 120-foot roll of **HDPE support screen** for the rehabilitation of the headworks and grit biofilter at the **City of Tacoma Central Treatment Plant**.

The media was delivered in palletized super sacks on three flatbed trucks. ECMP will replace the existing wood-chip media with a stable, lightweight treatment bed designed for reliable, long-term biological odor control.

Roll Out!

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



BIOLOGICAL ODOR TREATMENT PROCESS

Odorous air from the plant's grit tanks will pass through the existing fan and ductwork into the air plenum beneath the media bed. As the air moves through the moist ECMP media, naturally occurring microorganisms biologically treat hydrogen sulfide, mercaptans, reduced sulfur compounds, ammonia, volatile organic compounds, and other wastewater odors.

Project At A Glance

Media type	Enhanced Cell-Max™ Plus (ECMP)
Replaces	Existing wood-chip media
Delivery method	Palletized super sacks, 3 flatbed trucks
Media bed depth	4 ft
Media volume	5,200 ft ³
Operating area	~1,020 ft ²
Current design airflow	1,500 CFM
Future design airflow	Up to 3,500 CFM
Target contaminants	Hydrogen sulfide, mercaptans, reduced sulfur compounds, ammonia, VOCs, other wastewater odors
Odor removal requirement	>95%
Odor testing standard	ASTM E679-04
Media warranty	20-year prorated (GES Biotek)

Installation & Startup Support

Components replaced	HDPE support screen (1 roll — 13 ft × 120 ft)
Components remaining in service	Foul-air fan, ductwork, baseplates, air plenum, HDPE liner, drainage piping, irrigation components
Smoke-test stage 1	Across exposed BacTee baseplates
Smoke-test stage 2	~50% of installed media depth
Smoke-test stage 3	Across completed 4-ft ECMP media bed
Performance test	48-hour functional/odor-removal performance test

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