

Super Nutrients Improve Performance and Reliability of Municipal Biofilter Odor Control Operations

GES Biotek, LLC recently completed a bulk shipment of its **1578 Super Nutrients™** to support a municipal biofilter system in California, further strengthening the performance and reliability of biological odor control operations.

Biofilters and biological scrubbers rely on **specialized microorganisms** to treat hydrogen sulfide (H_2S), one of the primary contributors to odor in wastewater and industrial applications. Organisms such as *Acidithiobacillus thiooxidans* and *Acidithiobacillus ferrooxidans* convert H_2S into stable, non-odorous compounds. However, consistent treatment performance requires a steady, balanced supply of nutrients to sustain microbial activity.

GES Biotek's 1578 Super Nutrients™ are formulated to support a healthy, active biological population, helping systems adapt to changing operating conditions while maintaining treatment efficiency. By promoting microbial growth and stability, the nutrient program contributes to more reliable odor removal and improved overall system performance.

For this project, the nutrients were supplied in a **260-gallon tote** designed for seamless integration with an automated feed system. This setup **continuously delivers nutrients** into the biofilter's irrigation network, ensuring consistent distribution throughout the media bed while reducing the variability often associated with manual dosing.

Benefits of the Super Nutrients™ System:

- **Stronger, more stable** microbial activity
- **Improved hydrogen sulfide** removal performance
- **Greater consistency** in system operation
- **Easy storage** and handling
- **Multiple packaging options** to meet a variety of system requirements

With more than 15 years of **proven field application**, **GES Biotek's** nutrient programs play a critical role in supporting efficient, dependable biological treatment systems. **GES Biotek** delivers **complete biological treatment solutions**, including engineered media, nutrients, and technical support.



Super Nutrients™ are delivered as a concentrated liquid in 5-gal buckets, 55-gal drums, and 260-gal totes. This design helps reduce storage requirements, streamline handling, and improve overall cost efficiency for operators.

GES Biotek — Good for People, Good for the Environment

Proudly made in the USA, **GES Super Nutrients** is a preferred choice for cutting-edge, eco-friendly odor control solutions.