



BIOTIFX[®]

WASTEWATER TREATMENT

Biotifx[®] Liquid Max

Biotifx Liquid Max is a concentrated liquid product used in a variety of wastewater treatment systems to alleviate challenges associated with hydrogen sulfide (H₂S), fats, oils, grease (FOG), sludge and odor.

Biotifx Liquid Max is formulated with a blend of *Bacillus* strains scientifically selected for their ability to degrade a broad range of material. It is also enhanced with a proprietary blend of micro-nutrients and biostimulants to heighten performance of the microorganisms. Application is easy with the product being delivered to the system via an automated dosing pump.

Available in:

- 5-gallon pail
- 55-gallon drum

| | CHALLENGE | SOLUTION |
|---|--|--|
| Fats, Oils and Grease (FOG) Accumulation | FOG build up in collection and treatment systems causes backups, septicity, equipment failure, foaming and floating solids. This reactively requires costly physical removal from the system. | Biotifx Liquid Max improves digestion of FOG, removing it from the system as carbon dioxide (CO ₂). This proactively reduces accumulation in the system, reducing labor and capital investment costs. |
| Sludge Handling and Disposal | Hauling pressed or liquid sludge to a landfill or for land application incurs a significant cost to facilities. Additionally, excessive sludge yield can reduce system capacity. | By reducing the amount of sludge through bioaugmentation with Biotifx Liquid Max, facilities can lower expenses associated with sludge handling and disposal. |
| Odor Control | Community relations, lawsuits and potential fines are common challenges when dealing with odors. Odor control equipment and chemistries are costly and often require specialized labor to manage. | Biotifx Liquid Max prevents the formation of biological acids and other odorous compounds, reducing the potential for complaints and lawsuits without costly chemicals or equipment. |
| Hydrogen Sulfide (H₂S) | The production of H ₂ S leads to complaints, corrodes mechanical and electrical components, and poses serious safety risks for operators and those around the facility. Conventional treatment is non-preventative and expensive. | Biotifx Liquid Max inhibits the bacteria responsible for the formation of H ₂ S, reducing and in some cases eliminating complaints, corrosion and safety risks. This also prevents the need for conventional treatment. |



Dosing

For specific dosing recommendations, review our system application sheet and/or speak with your service provider. Typical dosing volumes are between 1-8 ppm based on a 100,000 gallon flow and are applied with an automated dosing pump.

Applications

- Collection systems
- Small wastewater treatment plants
- Industrial and municipal grease interceptors
- Lagoons
- Septic systems



Case Study Data

The Biotifx collection system treatment plan was implemented on a two million gallon/day section of sewer to reduce H₂S production and FOG accumulation. We compared the effect of treatment to when it was untreated and summarized the results in Figures 1 & 2.

Figure 1. FOG accumulation in Lift Station over time.

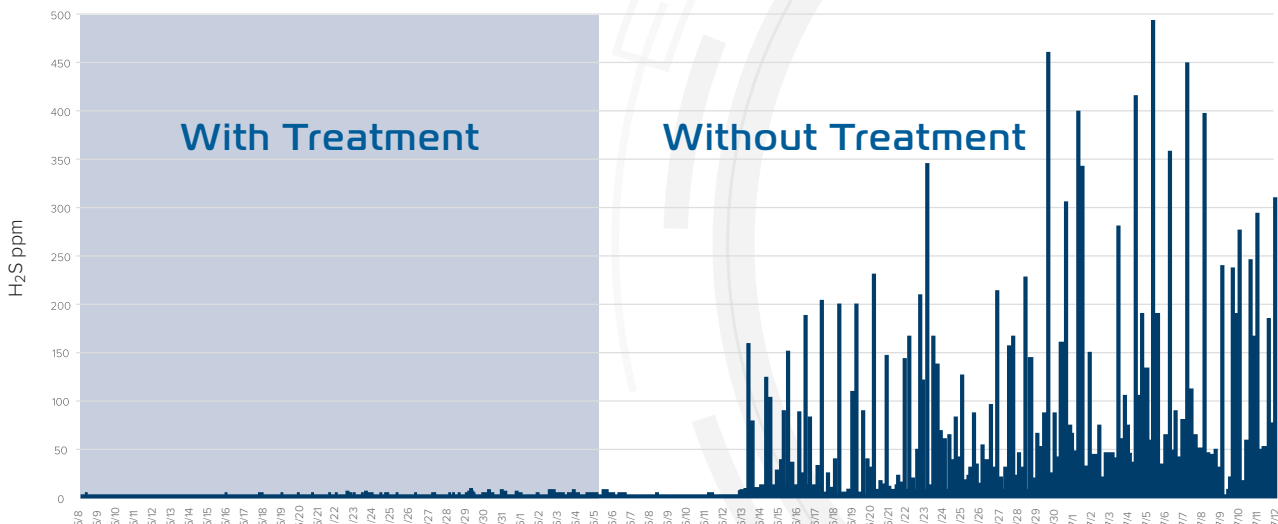
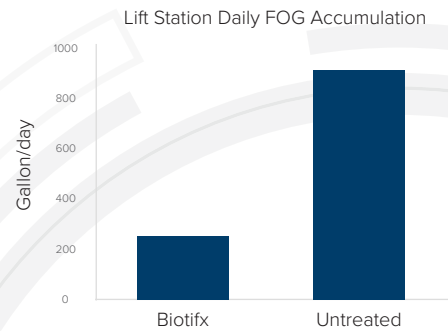


Figure 2. H₂S concentrations with and without treatment, measured by gas monitor in real time. H₂S gas levels increased dramatically within one week of discontinuing treatment.