

Multi-Stage Biological Treatment Unit

ECS Environmental Solutions offers a full range of odor control systems for municipal odor control.

ECS is a process design company with a team of experienced process engineers with detailed understanding not only in our process technology, but practical experience dealing with plant and collection system challenges.

BioPac DS - CA

The BioPac DS combines high H2S removal efficiencies with the organic and VOC performance of conventional biofilters.

Additional ECS Offerings

Chemical Scrubbers
Degasifiers
Activated Carbon Systems
FRP Ductwork Packages
AMCA Certified Dampers
Hoods / Cover Systems
Chemical Storage Tanks
Sound Attenuation



Primary Stage

Stage 1 utilizes Biopure, an engineered biological media. The object of this stage is to eliminate odors treated in the biological process.

Second Stage

Stage 2 utilizes activated carbon as a polishing agent to remove non-soluble compounds and provide some measure of treatment during acclimation of the biological colony.



Standard Feature

- Minimized Footprint
- Flexible media options
- Modular FRP vessels
- Low O&M requirements
- No chemicals required
- Low water consumption
- Full service options from ECS
- Conservative total odor performance

All components are manufactured using high quality materials resistant to the corrosion atmosphere encountered in municipal odor control. Housing is FRP, Vinyl ester with a 100-mil corrosion liner on all internal components.



Biopure pictured to the left. Acid resistant expanded shale and ceramic balls have a special coating chemically bonded to them. Nutrients and buffers help propagate bacterial growth while manipulating bed pH.

Special high capacity carbon extends bed life and eliminates VOC's and other compounds not treated by the biological process.