

Vertical biotrickling Filter Systems

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.

Packaged BioPac VTS

ECS BioPac VTS tower system designs utilize proven technology to remove High levels of H₂S and other odor compounds

Additional ECS Offerings

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



Breakthrough Structured Packing

ECS BioPac was developed to resist compaction, plugging while maximizing uniform airflow / liquid distribution. Benefits of the ECS structured packing including

- High surface area increases microbial Density resulting in superior treatment Capacity
- Uniform airflow and liquid distribution

Superior Performance Through Flexibility

The ECS BioPac VTS systems feature layered distribution systems with the ability to control PH

- Recirculation option at each level maximizes H₂S removal efficiency
- Neutral PH flexibility offers the ability to remove organic odor compounds

Standard Features

- Treatment of high H₂S loadings
- Expandable
- Low operating costs
- Low O&M requirements
- Tower or low-profile configurations
- No chemicals required
- Low water consumption
- Rental units available
- Full service options from ECS

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.



BioPac resists compaction, plugging and other mechanical challenges encountered with alternative biotrickling filter medias.

