

INDUSTRIAL VOCs

High level VOC's (volatile organic compounds) emissions from industrial processes are complex emissions that are subject to various federal, state and local regulations. Conventional technologies are highly inefficient with high operating costs and generate Greenhouse gases.

Biorem offers a VOC removal system to manage emissions containing high levels of VOCs. Our system combines biological technology with activated regenerable carbon to yield a removal rate able to meet and exceed every regulatory jurisdiction requirement. A wide range of VOCs can be treated with a representative listing below:

- Acetates
- Alcohols
- Aldehydes
- Aromatics
- Benzene
- Carboxylic Acids
- Ethyl benzene
- Petroleum Hydrocarbons
- Phenols
- Toluene
- Xylenes

Each VOC treatment system is custom designed to meet your facilities specific needs. Key design parameters that determine the system configuration include; key VOC elements and their concentration, operating schedule of the facility, collected air psychometric parameters, regulator emission requirements, and the collection system which determines air flow rate.

Applications:

- Organics and Residuals Processing
- RTO Displacement
- Food and Beverage
- Industrial Wastewater
- Rendering
- Pet Food and Animal Feed
- Refineries
- Oils and Gas Sector
- Mining
- Metal Degreasing
- Pharmaceuticals

