



Natural Odor Control For Wastewater Treatment Processes

Industrial and municipal wastewater treatment generates odors that can be strong, persistent, and a nuisance to employees, residents, businesses, and industries located near the wastewater treatment plant.

Odors are generated in varying degrees throughout the wastewater treatment process with the main odor-generating areas being pump stations, head works, clarifiers, digesters, aeration basins, lagoons and sludge handling areas. Odors that are generally associated with this process include hydrogen sulfide, ammonia, sulfur dioxide, skatoles, mercaptans, amines and indoles.

Each plant has its own particular problem areas, all of which can be remedied with the atomization of Ecosorb® odor control products at strategic points to manage these industrial smells.



Butler, Pennsylvania: An atomized “dome” of Ecosorb® product is used to control odors rising from a primary equalization tank at a municipal wastewater facility.

Headworks and Primary Treatment.

Hydrogen sulfide is a serious problem in wastewater treatment plants. Fogging systems installed at the bar screens and digesters solve the problem. In some cases Ecosorb® odor control products can be diluted with plant water for economical operation.

Wastewater Septage Dumping.

Septage haulers need to take their loads somewhere and that is usually the local wastewater plant. Raw septage is especially odorous and can present odor problems to plants that otherwise have their industrial emissions under control. Simple fan or nozzle atomization systems positioned near the unloading point and vented or open downstream locations will provide simple and effective temporary odor control as needed.

Activated Sludge Basins.

Because basins for activated sludge can be both large and uncovered, migrating odors can be a serious problem. OMI can work with you to select the appropriate Ecosorb® odor control products delivery systems to neutralize the odors.

Food Processing Plants.

Many food processing facilities have their own wastewater treatment plants. Controlling odors becomes two-fold: the smells generated from the processed food along with those of the wastewater lagoons need to be removed. Ecosorb® odor neutralization products are approved for use in food processing plants and are also safe for the environment.

In an industry where the goal is to create something pure from a previously impure source, choosing an environmentally friendly odor control solution is a natural choice. For more information about biodegradable odor management solutions, contact OMI.