

Hydrex™

H₂S Treatment

The Next Generation of Odor Control in Collection Systems

Treatment of sulfide in a collection system can be difficult and costly to a municipality; understanding the best economic choice can be challenging. The bacteria that are responsible for the production of sulfide is a nuisance to taxpayers. Anaerobic and aerobic zones within the collection systems are perfect environments for these organisms to flourish.

Veolia offers a comprehensive and cost effective odor treatment approach utilizing advanced oxidation and catalyzed technologies. Our approach provides a green solution to the end user and environment.

- Patented process
- Organic catalyst
- Eliminate hydrogen sulfide



Creating Hydroxyl Free Radicals to Eliminate H₂S

Using an oxidant such as hydrogen peroxide, hydroxyl free radicals are formed by introducing the catalyst.

When the hydroxyl free radicals are created, they aggressively pull the electrons away from the available source.

The sulfides found in many forms in wastewater have a relatively weak bond and the combination of the oxidant and catalyst result in pulling the electrons from the sulfide. This results in forming elemental sulfur molecules that react with one another to form various unreactive insoluble forms of elemental sulfur.

Hydrex™ Family of Catalyst

68407

- 1-2 minutes detention time
- Up to 4 hours

68406

- 10-15 minutes detention time
- Up to 48 hours

68408

- Varying detention times
- Up to 8 hours

68405

- Varying detention times
- Up to 48 hours

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