

How to Reduce Geosmins, Trihalomethanes, Chloramines and Taste and Odor From Drinking Water Reservoir Water and Remove and Control Odors in Lakes, Ponds, Rivers, Reservoirs and Wastewater

To reduce the geosmin, trihalomethanes, chloramines and bad taste and odor in drinking water, the first step must be to remove blue green algae from the water reservoirs. To control hydrogen sulfide and bad odor from lakes, ponds, rivers, reservoirs and wastewater, both blue green algae (cyanobacteria) and hydrogen sulfide must be removed. This greatly reduces the cost of water treatment chemicals in drinking water treatment plants and greatly improves water quality. CLEAN-FLO also removes iron and manganese in drinking water.

Geosmin is caused by blue green algae (cyanobacteria) in drinking water reservoirs or other drinking water sources and cause bad taste and odor in the drinking water. Trihalomethanes are caused by chlorinating natural organics from drinking water sources as a result of chlorine treatment to kill disease bacteria.. Chloramines are the result of ammoniating chlorine applied to drinking water to reduce production of trihalomethanes. Both trihalomethanes and chloramines are possible causes of cancer and heart disease.

Odor removal and control . . . The most common cause of odor in lakes, ponds, rivers and reservoirs is hydrogen sulfide, that rotten egg smell. The second most common cause of odor is blue green algae. Blue green algae also causes geosmins, the bad taste and smell in municipal drinking water reservoirs. All types of algae and suspended organics in drinking water sources result in trihalomethanes and the use of chloramines. The CLEAN-FLO Process of lake, pond, river, reservoir and wastewater restoration using the [CLEAN-FLO Continuous Laminar Flow Inversion](http://www.clean-flo.com/clean-flo-continuous-laminar-flow-inversion-and-oxygenation-system) and Oxygenation System consistently removes hydrogen sulfide. Anaerobic bacteria, those bacteria that live without oxygen, produce hydrogen sulfide. When CLEAN-FLO inverts and oxygenates a body of water, the anaerobes die and no more hydrogen sulfide is produced. At the same time, the hydrogen sulfide already in the water is quickly exhausted to the atmosphere, where it is neutralized and eliminated. At the same time, blue green algae and other organics are greatly reduced.

<http://www.clean-flo.com/trihalomethanes-geosmin-hydrogen-sulfide-odor.html>