



Ammonia Removal Webinar Description

The top compliance problem on NPDES permits is ammonia removal. It accounts for approximately 20% of all compliance problems. Ammonia is a major source of fish kills if it is not adequately removed.

Nitrification is the destruction of ammonia by nitrifying bacteria. Without these bacteria, wastewater discharges would kill billions of fish due to oxygen deprivation. These bacteria are very susceptible to upsets, so we need to be vigilant in making sure that we are doing everything we can to make their job easier. This course looks at the causes and cures for nitrification inhibition. The most common reason is too little oxygen, but surprisingly this is often overlooked as something too obvious. We will look at other causes and how to troubleshoot high effluent ammonias to keep our facilities in compliance.