Lime slurry adds unwanted sludge, upsets microbiology, wastes energy, consumes excess polymer, binds excess water into sludge, destroys alkalinity, and fouls/scales pumps, pipes, and aerators. Why continue to take unnecessary risks with your budget, your infrastructure and your treatment process? There is a safer, far more desirable alternative to lime slurry. It's called Thioguard®.
Hydrated lime added in collection systems increases O&M costs related to formation of scale and accumulated solids/sludge. In severe cases it leads to line blockages and SSO’s. On a chemical basis, one ton of lime can generate as much as 11.5 to 15.5 tons of 20% sludge cake to remove or dispose. In contrast, THIOGUARD® reactions in wastewater produce only water and water soluble products as TDS with NO added sludge. In fact, customers using THIOGUARD® have reported reductions of 15%-25% in total solids/sludge produced, due to a combination of improved biological performance and reduced inorganic solids loading.

Call 1.800.227.4287 today, and ask me how technical grade magnesium hydroxide (Thioguard®) can save you money, reduce waste, reduce maintenance and help keep your plant running more efficiently.

**EPA WASTEWATER TECHNOLOGY FACT SHEET**

**CHEMICAL PRECIPITATION EPA 832-F-00-018 STATES:**

- Lime typically generates more sludge than other coagulants, requiring more polymers for dewatering and ultimately, more expense, related to the processing of sludge.

- In fact, the addition of lime may increase the volume of waste sludge up to 50 percent!
■ Lime slurry requires more energy to be spent in the aeration process, driving up energy and operating costs. Current aeration output may not be sufficient to keep lime sludge in suspension.

■ The resulting sludge from lime slurry has to be removed at regular intervals, slowing down your process and driving up transportation and disposal costs. (see LESS SLUDGE = LOWER OPERATING COSTS!)

■ Lime produces calcium carbonate in wastewater which acts as a coagulant for hardness and particulate matter.

Ask us how the NEW Thioguard Omega-S program can help you take advantage of Thioguard benefits while addressing struvite and nutrient management needs.

THIOGUARD® TST
EFFECTIVE, ENVIRONMENTALLY SAFE TOTAL SYSTEM TREATMENT FOR MUNICIPAL WASTEWATER

eNEWSLETTER ARCHIVES

RESOURCES
Website links and information related to Thioguard®