

# THIOGUARD® TST

EFFECTIVE, ENVIRONMENTALLY SAFE TOTAL SYSTEM TREATMENT FOR MUNICIPAL WASTEWATER



## NEWSLETTER ARCHIVE

Online Archive of the  
THIOGUARD® Newsletter Series



## RESOURCES

Website links and information  
related to THIOGUARD®



THIOGUARD® TST is a non-hazardous  
application with no required  
reportable quantities (RQ = None)

**THIOGUARD.COM**



OWNED, MINED  
AND PRODUCED  
IN THE USA

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## REPORT TO CONGRESS

Impacts and Control of CSOs and SSOs



**47%**  
OF BLOCKAGE EVENTS  
ARE CAUSED BY  
**F.O.G.**

The accumulation of fats, oils, and grease can be dramatically reduced through the use of **THIOGUARD®** technical grade magnesium hydroxide. **THIOGUARD®** is a strong base, and a moderate pH adjuster, which adds non-carbonate alkalinity to the wastewater. As pH increases, fats, oils, and grease become more soluble. The practical effect on municipal wastewater systems is a **rapid, dramatic reduction in fat, oils, and grease buildup** within the collection, transport and treatment structures.

**THIOGUARD®** does NOT transfer F.O.G. problems "downstream,"  
only to reappear in your plant.

**THIOGUARD®** eliminates the problem, by improving the immediate environment, allowing "good bacteria" to perform their function. By the time the wastewater reaches your reclamation facility, the majority of the F.O.G. has been either consumed or reduced to simpler organics.



**DOWNLOAD THE FULL EPA  
REPORT TO CONGRESS**

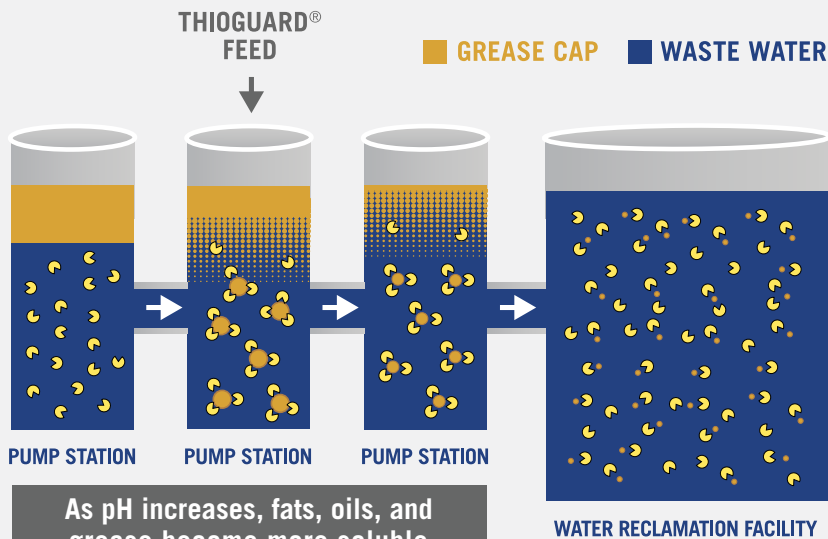


Premier Magnesia, LLC is a global market leader in magnesia-based products and solutions.

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## LONG DISTANCE F.O.G. CONTROL FOR YOUR ENTIRE SYSTEM

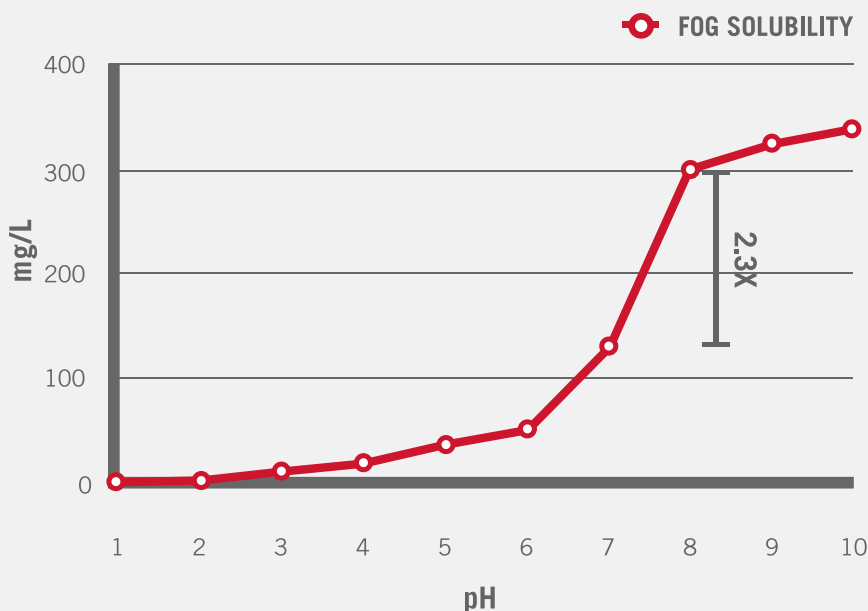


This illustration shows **THIOGUARD®** Total System Treatment working to enhance biological activity throughout your entire system, encouraging the reduction of an existing grease “cap” layer, as well as F.O.G. in solution.

The addition of **THIOGUARD®** boosts pH levels, **THROUGHOUT** your system, **PREVENTING** the conditions that encourage the deposition of grease, which can clog lines, and accumulate on the surface of pump stations and your treatment plant. With improved pH, solubility is increased significantly, by a factor of 10x in some cases. **THIOGUARD®** is typically added through a single Feed Unit, and provides multiple benefits throughout your system, from source to discharge.

## pH EFFECTS ON F.O.G. SOLUBILITY

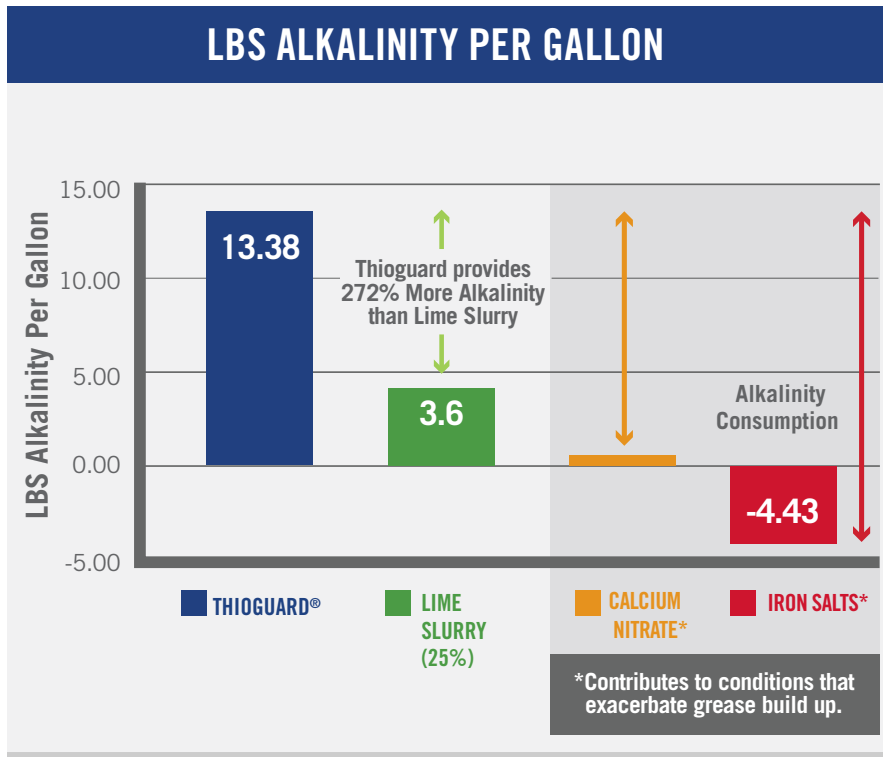
San Ardo Oil Field | Monterey County, CA



**THIOGUARD®** provides the greatest power to **neutralize acid over long infrastructure distances**, while providing additional benefits to your waste water treatment plant's biological treatment processes.

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**THIOGUARD® Cuts through F.O.G. and Delivers Multiple System-Wide Benefits**

The chart to the left compares alkalinity per gallon, illustrating the superiority of **THIOGUARD®** against other commonly used treatment options.

The benefits of adding **THIOGUARD®** to your treatment processes are not limited to the prevention or reduction of F.O.G., through sustainable and balanced pH levels. **THIOGUARD®** also prevents corrosion and dramatically reduces the formation of sludge - significantly reducing your handling and transportation costs. The benefits are numerous and system-wide, making **THIOGUARD®** the best and most practical choice for your system.

**F.O.G CAN BECOME A COSTLY, SYSTEMIC PROBLEM.**  
**THIOGUARD® TST**  
**IS THE BEST SOLUTION.**

**THIOGUARD.COM**

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