

# THIOGUARD® TST

Premier Technical Resources — Magnesia Specialty Chemicals

Hill Brothers Chemical Company – Western Region Thioguard Supply



HILL BROTHERS *Chemical Co.*

## Did you know?

In addition to controlling odors and corrosion, **THIOGUARD®** also helps reduce FOG, improves biological treatment plant performance, and enhances solids dewaterability

**THIOGUARD®** routinely outperforms the competition and in most instances reduces costs as well

No other single collection system odor control product can provide as many additional downstream performance and cost-saving benefits as **THIOGUARD®**



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

Find us online at:  
[www.hillbrothers.com](http://www.hillbrothers.com)  
 or  
[www.THIOGUARD.com](http://www.THIOGUARD.com)

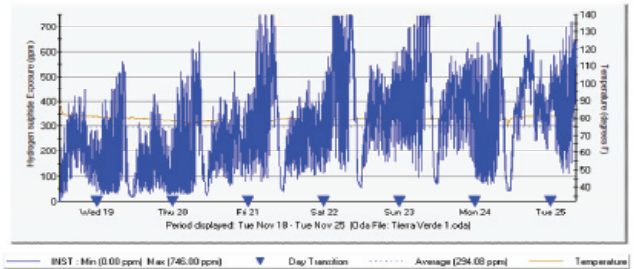
## THIOGUARD® vs Nitrate Products

In a recent head-to head trial, **THIOGUARD®** outperformed Nitrate. With Nitrate feeding at 80 gallons per day, **THIOGUARD®** outperformed Nitrate by feeding <40 gallons per day, saving 40% in dollar savings and achieving 97% improvement in reduction of H<sub>2</sub>S gas levels. To find out if **THIOGUARD®** can improve your H<sub>2</sub>S control program and save you money, contact your local Hill Brothers or Premier Representative.

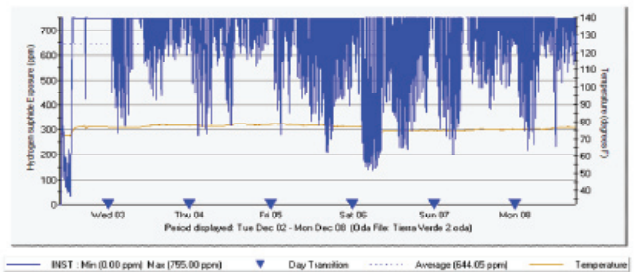
### Concentration Symptoms

- 0-10 ppm**  
Irritation of eyes, nose, and throat.
- 2 ppm**  
Bronchial constriction in asthmatic individuals, spontaneous abortion
- 5-9.3 ppm**  
Increased blood lactate concentration, decreased skeletal muscle citrate synthase activity
- 10-50 ppm**  
Headache, dizziness, nausea, vomiting, coughing, difficulty breathing
- 150-250 ppm**  
Olfactory paralysis
- 50-200 ppm**  
Severe respiratory tract irritation, eye irritation/acute conjunctivitis, shock, convulsions, coma and death in severe cases

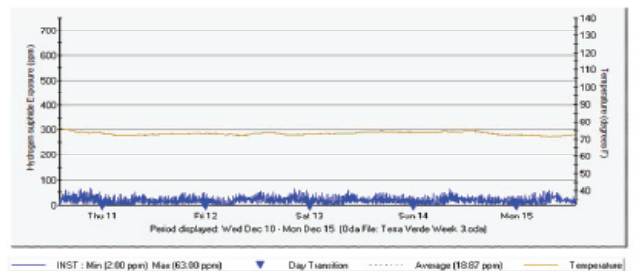
Pump station with Nitrate Feed @ 80 GPD



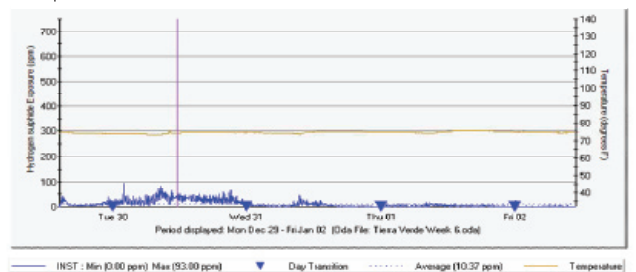
Baseline with no treatment



Pump Station with THIOGUARD® Feed @ ~68 GPD



Pump Station with THIOGUARD® Feed @ ~32 - 36 GPD



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