



Providing Treatment Solutions for Air, Water, & Land

www.TheiaLLC.com

(888)330-2260

Total Odor & Corrosion Control

Providing all your Solutions

Turnkey Approach to Odor & Corrosion

Theia-Air and its team offer a comprehensive approach to mitigating & eliminating odors and corrosion from Hydrogen Sulfide and other compounds. Unlike most companies, we can address the issue from multiple directions using the wide range of solutions at our disposal.

We offer solutions for preventing and eliminating the H₂S in your processes as well as a full range of solutions for treating the H₂S and odors when they are already in the air. For many applications, both approaches are necessary and actually yield the best results

Theia Air

- ☁ **Works with you to find the best solution, not just one that will work**
- ☁ **We do not force fit one product into every application**
- ☁ **We offer a range of solutions which allows us to find the best fit**
- ☁ **TA will fit your budget and your philosophy**
- ☁ **Offer the lowest overall costs by designing a better approach**
- ☁ **An experienced team with a long record of success**
- ☁ **Higher level of service that goes way beyond our product offering**
- ☁ **Budgetary and design assistance**
- ☁ **Pilot testing**



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Eliminate & Prevent H₂S from Forming

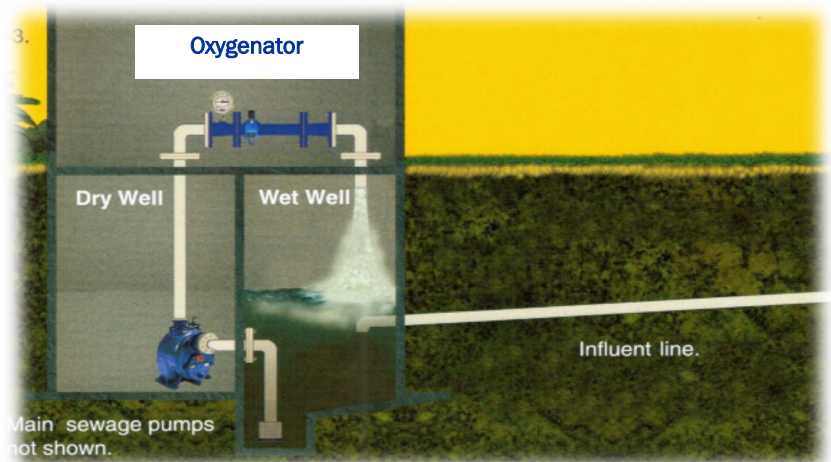
When it comes to treating the Hydrogen Sulfide in your pipes, lift stations, headworks, tanks, etc, Theia Air is the only source you will ever need

- ☁ 30 years of eliminating H₂S, corrosion & odor using air
- ☁ The only company offering multiple approaches for H₂S elimination
 - ☁ We can address virtually any application
 - ☁ We offer the lowest overall costs

Elimination Using Air

The Oxygenator system utilizes a centrifugal pump and a unique oxidation/aeration nozzle that draws air into the water as it is pumped through the nozzle. All Hydrogen Sulfide is oxidized back to the sulfate form which stays in solution and the wastewater is saturated with oxygen.

- ☁ Simple and effective
- ☁ Handles any level of H₂S
- ☁ Time tested and proven
- ☁ Most cost effective approach
- ☁ Actually beneficial to your process - Reduces BOD and solids
- ☁ No harsh chemicals - Safe for your personnel



H₂S Stopper - eliminate the problem, don't just move it.

Chemical addition is an effective way of eliminating H₂S in your wastewater, sludge, etc. but it should not cost you a fortune. We offer a cost effective chemical which eliminates Hydrogen Sulfide and mercaptans, forming a water soluble semi-polymer that does not revert to its odorous form.

- ☁ **H₂S Stopper is:**
 - ☁ Added once no matter how long the main
 - ☁ Does not freeze and does not require a mixer
 - ☁ Is not corrosive or hazardous
 - ☁ Does not affect your wastewater
 - ☁ Small volume addition – usually drums or totes

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OdorTool Biofilters

Complete Odor Control



Biological Odor Control

They Are Not All Created Equal

Odortool Biotrickling filters offer the best overall odor control in the marketplace while requiring the least cost to own and operate. Best of all, our systems require very little attention from the operators for as long as you have them out there (and that will be a long time!)

OdorTool offers a time proven design and is simple to install and even simpler to operate and provides the best odor control on earth. We back up the best technology with the knowledge, experience and expertise required to successfully apply this technology to the most challenging applications.

We offer total odor control for a wide variety of applications, including sludge processing, aeration tanks, and septage, as well as headworks, lift stations and collection systems.

- ☁ Best odor control performance - Removes all odors not just H₂S in ONE unit
- ☁ Simplest design, simplest operation, simplest to install
- ☁ Lowest operational cost and competitive capital cost
- ☁ Permanent dual zone structured media (10 years minimum) that does not foul or clog
- ☁ Very robust system that handles spikes and upsets
- ☁ Very limited operator attention –don't believe us, let us operate it for you
- ☁ Systems are designed to address any level of H₂S without chemical addition

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Activated Carbon & Dry Media Complete Odor Control



Theia Air offers a wide range of solutions utilizing carbon and other dry media to remove Hydrogen Sulfide, even in very high levels, as well as reduced sulfur compounds, organics, ammonia, etc. We offer systems to cover your smallest to your largest application and everything in between

Better Media: all of our media provides has excellent mechanical properties, will not break down or clump together, and is designed to work well in the damp environments that are the reality of most or all odor applications. Media is typically non-hazardous and can be disposed of easily.

- ☁ **OC1** media offers the highest capacity for H₂S and mercaptans without the use of nasty chemicals
- ☁ **OM1** – Best Oxidizing media in the market. Will not break down or crumble like alumina
- ☁ **AMM** media which efficiently removes Ammonia
- ☁ **300** media is designed to remove airborne mist and aerosols to protect other media



Better Equipment: when it comes to treatment equipment, we offer solutions which range from a 20 CFM vent units to 500,000 CFM turnkey treatment system built on-site and everything in between.

Variety of materials and designs:

- ☁ Small flow canisters for applications where space and budget is tight
- ☁ Self emptying units which allow the user to empty them without vacuum
- ☁ Direct burial units for sites where space is tight and/or aesthetics are important
- ☁ Standard fiberglass and polyethylene vessels and systems



Thermal Oxidizers

When it comes to thermal destruction, you should only work with the experts. Today's Oxidizers are more efficient and typically safer than their predecessors but proper application and design is more critical than ever.

Better Oxidizers: offering proven state-of-the-art designs * high efficiency * heat recovery * minimal fuel usage * guaranteed destruction * low maintenance * maximum safety * multi-fuel burners & controllers * pneumatic poppet valve design—simple, efficient, zero leakage * no confined space entry

We offer upgrades and retrofits to existing equipment. Many oxidizers out in the field today are inefficient and do not have modern controls and safety equipment. Rather than replacing them, an update and/or upgrade can cost half or less of the cost of a new unit while delivering you the same efficiency and extending the life for many years to come.

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