

Full Service Odor ControlSM Program

Any place or process in which wastewater is collected, conveyed or treated has the potential to generate and release nuisance odors to the surrounding area. Most odor problems occur in the collection system, in primary treatment facilities and in solids handling facilities.

In the modern world of wastewater treatment, control of odors has moved from an afterthought to a primary design consideration for most collection and treatment facilities. As communities and other development increases in the areas surrounding these facilities, the need to address and control these nuisance odors becomes more important.

Siemens Water Technologies is a recognized leader in the development of innovative products for the control of odors in wastewater collection and treatment systems. We offer a full range of treatment options, including our proprietary BIOXIDE[®], ODOPHOS[®] and AQUIT[®] solutions, as well as other proven technologies for addressing odor. Rather than taking a "one size fits all" approach, our treatment recommendations are based on data collected at your site and may include one or more odor control products to achieve the desired results and in a cost effective manner. With a complete selection of odor control products, Siemens can customize the right solution for your specific odor control problem. And, should your odor control system require follow-up service, Siemens extensive field experience and operational expertise are available from one of our local service branch locations.

BIOXIDE[®] solution

An environmentally friendly process that biochemically treats dissolved hydrogen sulfide and other compounds by preventing and removing odors.

BIOXIDE-AQ[®] solution

Combines our proprietary BIOXIDE[®] and AQUIT[®] solutions to help prevent dissolved sulfide formation in long or slow moving applications.

BIOXIDE[®]AE solution

Alkaline enhanced BIOXIDE[®] solution, it removes dissolved sulfide from the system, treating the root of the problem, not just the symptom. This patented process was developed to take advantage of the naturally produced alkalinity in the BIOXIDE[®] solution.

AQUIT[®] solution

AQUIT[®] solution cost-effectively prevents formation of sulfide downstream of the application point by interrupting the sulfate respiration mechanism of the SRBs. Simply stated, AQUIT[®] solution causes SRBs to shift their respiration and "blocks" their ability to reduce sulfate to sulfide.

NITRAZYME[™] PLUS biochemical solution

A blend of nitrate technology and a safe level of fast acting oxidant. It naturally reduces and removes odors while also chemically oxidizing them.

Benefits of Siemens' Full Service Odor ControlSM Program

- Wide range of odor control technologies; Siemens can provide a single product or combinations of products and treatment methods to provide the most cost effective solution available.
- Unmatched level of experience developed through decades of service, successfully solving thousands of odor problems.
- Regional service branch locations offer rapid response to your needs.
- Advanced technologies for controlling dose-to-demand at previously unattainable efficiencies.

ODOPHOS®/ODO-FREE™ iron salt solution

Aqueous solutions of ferric-ferrous sulfate (ODO-FREE™ solution) and ferrous sulfate (ODOPHOS® solution) which treat dissolved hydrogen sulfide in force mains and gravity interceptors.

MIDAS® Odor Control Media(OCM)

A special manufacturing process which combines selected active ingredients and premium quality bituminous coal gives Midas® odor control media an extraordinarily high hydrogen sulfide breakthrough capacity. This odor control media is not impregnated and therefore does not suffer the serious drawbacks associated with alkali-impregnated carbons.

PEROX-PLUS™ granular peroxide

Uniform, spherical, free flowing granules of solid peroxide. PEROX-PLUS™ granular peroxide provides effective sulfide control as well as reduces oil and grease in collection systems.

HYDROGEN PEROXIDE (27%, 50%) chemical oxidizer solution

This oxidizing solution is used for chemical oxidation of odor causing compounds in liquid phase applications.

PRI-SC® iron salt solution

A process of beneficially reusing spent iron from ODOFREE™ or ODOPHOS® solution treatment with hydrogen peroxide. This process is highly efficient in controlling hydrogen sulfide and generally provides a more efficient and cost effective solution than using iron salts or hydrogen peroxide alone.

VX 456® chemical oxidizer solution

A mixed oxidant designed to quickly react and then offer extended control of odors in biosolids applications.

VERSADOSE™ controllers

An advanced chemical feed dose-on-demand controller.

SODIUM CHLORITE chemical oxidizer solution

A strong oxidizer with a high selectivity towards hydrogen sulfide. It is recommended in applications requiring very rapid oxidation of odors.

Temporary/emergency odor control systems

Liquid phase systems available for bypass pumping, cleaning or lining gravity lines or during rehab of a vapor phase scrubber. Vapor phase systems are available in sizes from 100 to 2,000 cfm and are available for short term rental.

Support Services

A complete range of support services designed to save time, money and manpower.

- Preventative maintenance and service contracts
- Rehab and retrofit services
- Process evaluation and optimization services
- System survey and sampling
- Plant control and instrumentation upgrades
- Installation Assistance
- Remote monitoring
- Parts and expendables

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