



Just meeting effluent levels is no longer sufficient for wastewater treatment professionals. Today, we are expected to do so with respect for the surrounding environment, neighboring residents, and local businesses. Odors are synonymous with many treatment processes and must be addressed not only because of their nuisance and health concerns, but also for the infrastructural damage they can cause due to corrosion.

Coyne Environmental is uniquely positioned with the most comprehensive collection of treatment options available to assist the municipal and industrial water and wastewater treatment industries in meeting your specific treatment goals.



MUNICIPAL & INDUSTRIAL WASTEWATER TREATMENT

Odor and Corrosion Control

Odors associated with the collection and treatment of wastewaters are often unavoidable and represent a detriment not only to the treatment process, but also to the surrounding infrastructure and neighboring community. Corrosion associated with odors found in the waste treatment process is responsible for millions of dollars in infrastructural damage every year. Hydrogen Sulfide (H2S), Mercaptans, and Amines, are just some of the nuisance odors detected in wastewater treatment applications and can be found in liquid or vapor phases. Being able to treat all aspects is critical to solving your odor problems.

Not all treatment remedies perform cost-effectively in all applications. Long detention times render some products ineffective while others require reaction times or mixing energies to perform adequately. Coyne Environmental offers more solutions for odor control and possesses the ability to demonstrate the effectiveness in your system. By having such a diverse product line, Coyne Environmental is better prepared to evaluate your particular odor issue and address the specific needs of your application.

Many industries have installed air-scrubbing devices that utilize various chemistries or carbon to meet the growing demand of atmospheric odor control. Scrubbers create situations of their own. Most scrubbers utilizing liquid chemicals must feed a series of hazardous components — usually these chemicals are caustic soda, bleach, and acid which require expensive feed systems while posing a hazard to worker safety. Many carbon systems utilize carbons not specific to the capture of H2S, amines, mercaptans, as well as other odorous compounds — thus rendering most inefficient. Coyne Environmental has solutions to these scenarios.

By incorporating non-hazardous chemistries or reducing the number of products fed, Coyne can improve your existing operations. And, with revolutionary improvements in carbon technologies, Coyne Environmental has a selection of carbons to meet your specific needs.

Whatever your treatment needs may be, Coyne Environmental Services has the most cost-effective product available to meet your needs as well as the expertise to support it. To evaluate your options and schedule a visit by one of our Chemical Application Specialists, please feel free to contact us at 215-785-3000 or visit us at: www.coyneenvironmental.com

PRODUCTS

Activated Carbon / Absorbers	Oxone
Calcium Hypochlorite	Peracetic Acid
Calcium Nitrate	Potassium Monopersulfate
Chlorine	Potassium Permanganate
Chlorine Dioxide Solution	Sodium Hypochlorite
Ferrous Chloride	Sodium Nitrite / Nitrate Blend
Ferrous Sulfate	Sodium Permanganate
Hydrogen Peroxide	Caustic Soda
Masking / Scented Agents	Sulfuric Acid
Odor Neutralizers	Sodium Carbonate

APPLICATIONS

Biosolids Operations
Collection System Odors
Crown Corrosion Control
Hydrogen Sulfide Reduction (H2S)
Odor Control: <i>Hydrogen Sulfide (H2S)</i>
<i>Dimethyl Disulfide (CH3S2CH3)</i>
<i>Skatole (C9H9N)</i>
<i>Ethyl Mercaptan (C2H5SH)</i>
<i>Ammonia (NH3)</i>
<i>Diphenyl Sulfide</i>
<i>Benzyl Mercaptan</i>
<i>Indole (C8H6NH)</i>
<i>Methylamine (CH3NH2)</i>
<i>Thiobismethane (CH3SCH3)</i>

PROPRIETARY PRODUCTS

ActXone™
Endimal™ L 413
Darco H2S
Perme Ox™
ZerOdor
ZerOdor Plus

Coyne Chemical Environmental Services provides practical, economical, and user-specific solutions to virtually any municipal or industrial water and wastewater treatment challenge.