

Chlorination, Dechlorination, Chloramination & Disinfection

Chlorination, Dechlorination, Disinfection, and now Chloramination are some of the most critical treatment parameters in today's wastewater treatment process. Without them, potentially dangerous microorganisms could leave the plant untreated, posing a threat to the environment downstream – while overtreating can be equally as detrimental. Having all your options available allows you to create the most practical solution for your application and ensures optimal treatment and cost-effectiveness.



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

Chlorination, Dechlorination, Chloramination & Disinfection

Chlorination, Disinfection, Dechlorination, and Chloramination. These treatment parameters are different in some regards, yet still related. The need to provide proper disinfection and then rid effluent flows of residual chemical is critical to receiving streams and the environment. In addition, the need to tie up residual chlorine to prevent potentially harmful formations downstream is becoming a major concern in today's market.

To perform these critical tasks in the most appropriate and efficient manner, you need access to a full product line so you can evaluate all options. Coyne Environmental offers more treatment options and greater knowledge of their applications than any other firm. We strive to keep up with the latest technologies and applications to ensure our customers receive the most recent product development information.

To contact Coyne Environmental for more information specific to your application, please call: **215-785-3000**.

Or visit us at:

www.coyneenvironmental.com

Chlorination and Disinfection

Ridding effluent flows of harmful organisms is paramount. Whether you apply a chlorine derivation (Chlorination) or another form of disinfection, the end result is what is critical.

Dechlorination

Getting rid of harmful residuals prior to discharging to receiving streams is critical. Applying the correct chemistry with the correct dosage without overdosing needs to be carefully analyzed.

Chloramination

Wastewater treatment facilities are now concerning themselves with tying up free chlorine residuals and preventive TTHM formation in their receiving streams prior to downstream processes.

CHLORINATION / DISINFECTION PRODUCTS

Calcium Hypochlorite

Chlorine

Peracetic Acid

Sodium Hypochlorite / Bleach

Sodium Chlorite / Chlorine Dioxide

DECHLORINATION PRODUCTS

Activated Carbon

Ascorbic Acid

Calcium Thiosulfate

Hydrogen Peroxide

Potassium / Sodium Permanganate

Sodium Bisulfite

Sodium Metabisulfite

Sodium Sulfite

Sodium Thiosulfate

Sulfur Dioxide

CHLORAMINATION PRODUCTS

Ammonium Sulfate

Ammonium Hydroxide / Aqua

Anhydrous Ammonia

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