



“Next Generation” Wastewater Solutions

Whether its a large closed loop energy cooling system, an industrial or food processing water system, or a traditional municipal treatment system, increased state and federal regulations and disposal requirements are a current reality and growing challenge. 3 Tier’s Bio-Regen suite of natural wastewater products can deliver the “Next Generation” of organic water solutions that are both cost effective and environmentally friendly.

Bio-Regen products have been developed and proven in real world applications and offer targeted solutions to a host of industry challenges. The following is just a sample of the key targets:

- **Sludge Management** – Dredging costs and disposal of material can break the bank. By applying targeted water treatment products, the sludge is consumed without disruption of mechanized processes. Simple feed processes naturally consume organic buildup and will improve water quality and regain holding capacities. Organic sludge, fats, oils, greases, and hydrocarbon residuals are all correctable targets for our products.
- **Algae & Excess Nutrient Loading** – Algae creates a variety of water issues that limit the overall performance of a wastewater system. The normal cause is tied to excess nutrient loading and in most cases is related to sludge issues. 3 Tier offers new specialty products to address and correct these issues using new copper ion technology that is very safe for even potable water sources.
- **Hydrogen Sulphide (H₂S) & Odor Control** – H₂S is a tremendous health and safety issue as are noxious odors that can be created by imbalanced wastewater systems. Specialty products have been designed not to mask the odors or H₂S, but rather go directly to the root cause and alter the water’s properties to reduce and ultimately eliminate the problem.
- **Water Quality** – With increased regulatory requirements for water disposal or release, the management of BOD, COD, TSS, TDS, EC, ORP, and all the other factors used for quality can be achieved with a balanced water treatment system. A simple, automated injection system can provide superior water quality and clarity to meet today’s rigid standards and eliminate excessive disposal costs.
- **Salt, Chloride, & Bicarbonate Treatments** – Sodium-based water can create both long and short-term operational and maintenance issues of pipes, pumps and equipment. Specialty treatment products are available to buffer and neutralize the harmful effects of corrosive materials in waste streams for improved re-use.

As an added benefit to our customers, 3 Tier has assembled a team of water specialists that will provide a detailed explanation of the problem(s) with a comprehensive corrective plan and measurable expectations. 3 Tier will provide this service at no charge to our customers and also offer cost effective on-site management and training without long-term, expensive contracts. We are happy to work with engineering consulting firms or directly with the customer to achieve dramatic savings over the span of the project. We focus on solutions.

For additional information or a complete review of your immediate challenges, contact 3 Tier at 877-226-7498 or by email dburdette@3tiertech.com. Visit our website at www.3tiertech.com to learn more or find a distributor in your area.

