

VigorOX[®] WWT II

Wastewater Disinfection Technology



Earth's most precious resource cleaned
with some of Earth's most benign technologies.



THE ONLY BYPRODUCT FROM OUR WASTEWATER DISINFECTION PROCESSES IS MORE WATER. NO THMS, NO HAAS.

ABOUT VigorOx® WWTII

Disinfecting wastewater with chemicals that produce harmful byproducts seems counterproductive. That's why we've developed VigorOx® WWT II wastewater disinfection technology, a peracetic-based, environmentally responsible and economically minded alternative disinfectant to chlorine and UV disinfection.

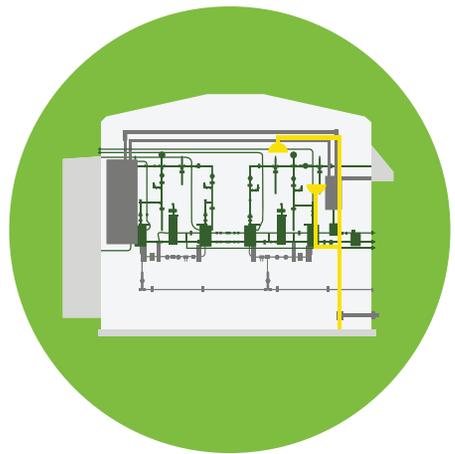
For decades, wastewater effluents have been effectively disinfected with chlorine, however, concerns associated with safety, toxicity and formation of harmful disinfection byproducts have resulted in new regulation that makes the

use of chlorination/dechlorination methods too expensive or impractical for most municipalities. While ultraviolet systems have been widely implemented as an alternative to chlorination, high capital costs, complexity and water quality limitations have made it unsuitable for many plants in North America.

Our product's formulation is based on peracetic acid, a powerful oxidant that results from the equilibrium reaction of hydrogen peroxide and acetic acid, which has been widely used in food and pharmaceutical disinfection applications for decades.

HOW VigorOx® WWT II WORKS

Our VigorOx WWT II technology utilizes a liquid chemical disinfectant that requires only a tank, metering pumps and analyzers, and is implemented by the dosing and control station— very similar to the common hypochlorite feed systems in use around the country. A fully automated bulk storage and feed system ensures safe, reliable and continuous application of peracetic acid. More than a chemical disinfectant, VigorOx WWT II is a compliance and performance guarantee. Our offering includes not just the chemistry and the equipment, but training, maintenance and regulatory support services as well. All in a cost-effective, full service solution.



VigorOx WWT II Dosing and Control Station

The PeroxyChem Disinfection Compliance Guarantee is the three-part, turn-key solution we bring to every disinfection challenge—including a chemistry plan, specialized delivery and containment equipment, process control, and the expertise to manage every project from start to finish.

WITH VIGOROX® WWT II, OUR TEAM OFFERS SUPERIOR WASTEWATER DISINFECTION THAT'S:

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- U.S. EPA-registered disinfection chemistry specifically formulated for wastewater treatment.
- Has been continuously utilized in the U.S. for more than three years as a primary disinfectant in municipal wastewater plants with consistent results.

COST EFFECTIVE

- Using VigorOx® WWT II technology represents no capital cost to the owner. PeroxyChem provides chemistry, equipment and services for a competitive operating cost.
- Choosing VigorOx WWT II can avoid expansion or modification of contact tanks to accommodate other technologies, larger flows or more stringent limits.

SAFER FOR OUR ENVIRONMENT & COMMUNITY

- No formation of disinfection by products such as THMs and HAAs.
- Residual decomposes quickly into environmentally benign compounds: water and vinegar.

RELIABLE

- VigorOx[®] WWT II is produced in the U.S. and delivered to plants through a vast network that ensures reliability of supply.
- VigorOx WWT II's purity and stability results in a 12-month shelf life, guaranteed.
- The VigorOx WWT II technology utilizes only industry leading components, equipment and instrumentation, widely recognized by quality and reliability in the water industry.

CHEMISTRY SERVICE EQUIPMENT



VigorOx[®] WWT II
Wastewater Disinfection Technology

ABOUT US

PeroxyChem is a global leader in peroxygen and adjacent chemistries. The company employs approximately 600 people throughout the world, with facilities in North America, Europe and Asia. With an unyielding commitment to safety at its core and backed by an exceptional team, the company prides itself on exemplary customer service, product quality, reliability and technical service. PeroxyChem manufactures high quality products and innovative applications developed as a result of innovation and superior technical expertise. We supply customized chemistries for electronics, energy, environmental, food safety, pulp, paper, polymer, and other industrial and consumer markets.

For more information please visit www.peroxychem.com

About Wastewater Disinfection by PeroxyChem

With more than 50 years of experience, our treatment experts work directly with consultants, engineers, site owners, city managers and regulators to optimize the balance of cost and compliance in municipal and industrial plants across a variety of applications and regulatory environments.

VigorOx® WWT II

WHAT MAKES OUR APPROACH DIFFERENT (AND BETTER)

Both our scientists and formulations are there when and where you need us. In addition to reliability of supply, our full complement of technical services is designed to support the safe and efficient use of our products. Our work begins in our laboratories, where scientists focus on leading research and treatability studies to solve our customers' complex challenges. Our demonstration program can include pilot reactors for side stream trials, plug-and-play systems for full-scale trials and complete support from our microbiology lab.

With data driven success and impeccable credentials in wastewater disinfection, our expertise is matched only by our commitment to see things right. We are drawn to the science of nature and motivated to protect the earth's resources. We embrace the responsibility of making the places people live, work and play clean and safe for all.

TO LEARN MORE ABOUT OUR WASTEWATER DISINFECTION TECHNOLOGY AND PROCESSES OR TO SET UP A MEETING, VISIT WWW.VIGOROX.COM, CALL 1-866-860-4760 OR EMAIL WATER@PEROXYCHEM.COM