



RAPID RESPONSE PROGRAM

Introduction

USP Technologies (USP) is uniquely positioned to rapidly respond to your environmental treatment challenges. USP combines experienced applications and equipment field support with a large inventory of storage systems and pumping modules to respond quickly to time sensitive water and wastewater treatment situations. Examples of where our Rapid Response Program has successfully addressed treatment challenges include the following:

- Temporary application of hydrogen peroxide (H_2O_2) as a source of supplemental dissolved oxygen in biological treatment systems during periods of excessive BOD loading
- H_2O_2 pretreatment of high strength wastewater to reduce toxicity or BOD/COD prior to biological treatment
- Emergency H_2O_2 treatment of lagoons or ponds to control H_2S and other odors
- Shock cleaning of cooling water systems for biofouling and slime control

Availability

Due to our considerable inventory of tank and pump systems as well as our partnerships with leading chemical suppliers, we currently maintain access to the most comprehensive supply and distribution network in North America. As a result, we can deliver in a timely manner to almost any location in the United States and Canada. Our goal is to respond to your water and wastewater treatment needs within 24 hours. Initial response, mobilization and delivery lead time will depend on location and equipment availability.

Dosing/Product Delivery Options

Our dosing pump modules are designed and fabricated with required safety relief devices and are passivated to ensure product quality and system safety. We will match the appropriate pump skid to your application based upon its specific process requirements. The metering pump(s) will be sized to meet the required dosage rates. A gravity feed may also be utilized with approved drop trailer applications.



4,000 gallon mobile drop trailer with gravity feed and pump skid

Inventory Management Options

To meet your needs, USP offers two types of inventory management options:

ChemWatch™ - This is our computer-controlled remote inventory monitoring system that uses an integrated telemetry/controller device to monitor tank levels and control pump output for efficient inventory management. The controller pump can be customized by either a programmed dose profile or an external process signal. We recommend this option for longer duration projects.

Manual - Inventory service is controlled and managed by you through contact with USP's customer service. Your employees are responsible for reading product levels and requesting deliveries. We recommend this inventory management option for short duration projects.

Products

Hydrogen peroxide products offered to our Rapid Response customers include standard, technical and EPA registered antimicrobial grades of hydrogen peroxide. These grades can be supplied in 50%, 35% and 27% concentrations. In addition, we offer a range of iron salts, acids and bases and the equipment and field support to effectively and safely apply these chemical technologies.



Rapid Response Hydrogen Peroxide Delivery and Set-Up

Advantages

- With considerable inventory of tank and pump systems, as well as our partnerships with leading chemical suppliers, USP can mobilize chemicals and equipment quickly to respond to your rapid response needs, often within 24 hours.
- We offer dosing options are designed to meet all safety requirements and sized to meet your specific process and dosage rates requirements.

Applications Assistance and Technical Support

Our Applications Engineers and Equipment and Engineering Services teams will provide timely and thorough applications assistance and technical support during the entire project. From initial application assessment through equipment installation and start of chemical dosing, our highly-trained and experienced personnel will make sure your application runs smoothly.

About USP Technologies

USP Technologies is the leading supplier of peroxygen-based technologies and services for environmental applications. We have been serving the water, wastewater and remediation markets for over 20 years and have offices and field service locations throughout North America. Our consultative approach to problem solving includes application assessment, technology selection and development of a tailored treatment approach. Our full service programs successfully integrate storage and dosing equipment systems, chemical supply, inventory and logistics management, and ongoing field and technical support. This approach provides cost-effective, "hands-off" solutions to our customers. USP Technologies also can provide access to experienced application partners for a turn-key program encompassing engineering, site characterization and technology selection, program implementation, execution and report generation.

Getting Started

We look forward to supporting your treatment needs, whatever the scale of your requirements. To obtain a streamlined treatment solution tailored to your specific project, give us a call at (877) 346-4262.

USP Technologies

900 Circle 75 Parkway, Suite 1330
Atlanta, GA 30339

USP Technologies - Canada

3020 Gore Road
London, Ontario N5V 4T7

Phone: (404) 352-6070 or (877) 346-4262

Email: info@uspstechnologies.com

Website: www.USPTechnologies.com

