



## TOTAL CHEMICAL MANAGEMENT FOR ISCO / REMEDIATION

### Introduction

USP Technologies (USP) provides turn-key chemical management and field service programs to engineering companies and remediation technology applicators using In-Situ Chemical Oxidation (ISCO) or other technologies requiring chemical storage and handling. USP programs have proven to be cost effective and highly efficient using custom-designed chemical handling and management programs deployed by highly skilled field service teams.

### The USP Advantage

#### Full Service Capabilities

USP programs are designed to allow technology partners to focus on technology application while USP manages all chemical support activities, resulting in the safe and effective completion of a project.

#### Purchasing Scale

USP partners with the four largest North American hydrogen peroxide producers, providing us access to a vast distribution network for freight efficiencies and competitive product pricing. We also have strong relationships with many leading chemical producers and distributors. Purchasing in bulk allows USP to pass these savings on to you. Our multiple regional suppliers ensure freight savings and reliable material supply.

#### Custom Chemical Deliveries

USP will develop the most cost effective chemical solution for each project with the ability to provide custom on-site dilutions or blends resulting in significant cost savings.

#### Efficient Management & Logistics

Our team is skilled in the efficient management of chemicals and site logistics. We have participated in over 300 successful projects where these efficiencies positively impacted the bottom line.

#### Experienced Partner

You have the advantage of working with an experienced partner and expert in the chemical management field. With USP doing

what we do best through our Total Chemical Management programs, we enable our partners to focus on what they do best, the proper application of remediation technologies.

#### Multi-Chemical Supply

- Hydrogen Peroxide (custom blending %)
- Full Suite of PeroxyChem Chemicals
  - Klozur®
  - Klozur OBC®
  - Permeox®
- Specialty VeruTEK Products
  - VeruSol Compounds
  - Others
- Ferrous Sulfate/Ferrous Sulfate EDTA
- Sodium Hydroxide
- Permanganates
- Acids



Tailored Solutions for Every Project

## Multi-Chemical Supply Programs

USP can supply a wide range of chemicals commonly used for ISCO or other remediation technologies. These chemicals are available in wet (drum, tote, bulk) or dry (bags or super sacks) form. USP works with remediation companies to develop a cost effective, logistically optimized, and reliable chemical management program based on project specific chemicals, quantities, usage rates and other project constraints.

## Rapid Response

USP can quickly mobilize chemicals and equipment to respond to your rapid response needs, often within 24 hours.

## Technology Partnerships

USP maintains partnerships with various technology applicators who can assist you in the design and execution of an effective remediation program.

## Equipment Systems

USP provides modular chemical storage and handling systems designed for the specific chemical service. Standard USP systems include heavy-duty high density polyethylene (HDPE) storage tanks ranging in size from 500 to 7,800 gallons with integral secondary containment (110% of primary), metering and transfer pumps sized and designed specifically for the application, dilution skids as needed and all necessary safety devices.

## Field Services

We have some of the most experienced Field Service Technicians in the industry who are focused on providing superior installation, startup, safety and operations training as well as maintenance of all equipment. When your project is completed, USP will demobilize all chemicals and equipment.



## Safety and Hazard Analysis

USP is dedicated to chemical safety and product stewardship through our wide range of chemical handling knowledge and expertise. All systems are designed and installed in accordance with the strictest of industry standards. We will perform a site evaluation, safety training and hazards analysis for every project.

## Department of Homeland Security

USP provides  $H_2O_2$  in fixed storage systems or at <35% concentration, which eliminates the need for DHS registration.

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## 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.

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### 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](mailto:info@uspstechnologies.com)

**Website:** [www.USPTechnologies.com](http://www.USPTechnologies.com)

