Killing Microbes

How effective is your strategy to keep bacteria from contaminating your frac water, damaging your formation, and putting co-workers, equipment and the environment at risk? Select Energy Services offers a safer, more efficient & less expensive solution for frac water disinfection. Only 1 out of every 100,000,000 microbes treated will survive.

Technology

• Mobile, trailer-based unit for safe on-the-fly treatment of oilfield water with chlorine dioxide
• Real-time dosing based on automated detection of oxidation and microbial demand variation
• Continuous real-time sensing to ensure optimal performance and environmental safety
• Remote, tablet-based surveillance of tank volumes and water quality
• Guaranteed residual chlorine dioxide level at blender
• Hydraulic capacity of up to 40,000 bbls per day

Zero ClO₂ Safety Incidents

The system is the safest chlorine dioxide treatment process in the oil and gas industry. The system design:

• eliminates the possibility of explosions and fugitive emissions
• provides safeguards to reduce risks due to human error
• leaves no dangerous residual precursors;
• removes dangers associated with chemical tote management, storage tank transfer, and workforce exposure
• requires operators to undergo six weeks of training before graduating to operate field units

A Smart & Reliable Process

The process is an intelligent process that utilizes 1,500 data points from real-time sensors to:

• assure that the concentration of chlorine dioxide in water or in the surrounding environment never exceeds safe levels
• continually adjust chlorine dioxide dosing based on water quality readings made 100 times per second
• only deliver as much chlorine dioxide as required by the water for sufficient, but complete treatment
• enable water transfer crews and the company man to follow treatment operations with provided tablet computers
100% WATER FOCUSED.

Select Energy Services strives to change the oil and gas industry’s approach to water management. By providing strategic solutions from sourcing to recycling, Select delivers innovative, efficient, end-to-end solutions to energy producers. Always mindful of the environment, Select is the premier provider of water solutions that help unlock the vital energy resources of the United States.

selectenergyservices.com

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