

Cleanstream™

Protect Life's Most Valuable Asset
Reuse Every Drop



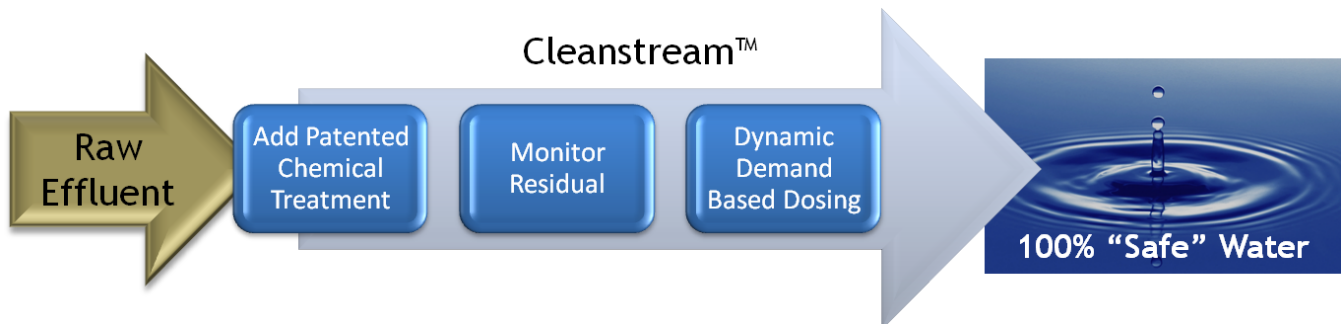
IMAGINE IF YOU COULD:

- Achieve 'high-level' disinfection of water and effluent in minutes
- Significantly reduce treatment plant energy costs
- Notably reduce treatment plant infrastructure
- Eliminate safety concerns inherent with chlorine and hypochlorite (THM's and HAA's)
- Eliminate risk management costs associated with chlorine
- Minimize chemical feed rates and storage requirements



With worldwide water shortages, deteriorating water quality and ever-growing demand, taking advantage of technology to produce clean reuse water has become a primary goal for municipalities and industries across the world. The ability to reuse wastewater allows our natural resources to be better conserved, benefitting our lives today and assuring future generations have an adequate supply of water tomorrow.

BCR Environmental offers a revolutionary system, Cleanstream™. Designed to treat and disinfect large volumes of effluent or wastewater discharge in a matter of minutes, our patented, real-time demand-based dosing system ensures consistent results without the risks of chlorine disinfection.



Effluent enters the Cleanstream™ process and is treated **in-stream** using our patented chemical injector and dosing system. The chemical treatment solution is generated on site, and dosing is controlled using a demand based dosing system. In minutes, the effluent is disinfected and the water can be discharged or reclaimed as 100% reuse.

Environmental Benefits :

- Significantly reduce water demand from potable and well sources
- Improved soil condition
- Reduce amount of pollutants discharged into waterways
- Fewer chemical deliveries

Financial and Process Benefits:

- Eliminate risk management required with gaseous chlorine
- Consistent disinfection with low chemical dosage
- No degradation due to heat or UV rays as with hypochlorite
- Lower capital and operating expenses
- Precise control through automation

Applications:

- Potable water disinfection
- Waste water reuse
- Industrial cooling towers
- Vegetable and fruit decontamination
- Food and beverage processing and clean-in-place equipment sanitation