

SAFEGUARD™ H2O



Intelligent Water Treatment System Hexavalent Chromium Removal

The patent-pending SafeGuard™ H2O intelligent water treatment system offers a low-cost, reliable remediation system proven to address hexavalent chromium contamination.

The operation principle of the SafeGuard H2O system is based on a proprietary approach that generates on demand a stannous ion reagent in-situ via an electrolytic process. This reagent poses no environmental and health risks. The system also features an online chromium analyzer to measure system performance and monitor influent and effluent contaminant levels in real time.

SAFEGUARD™ H2O PERFORMANCE

Proven to remove chromium levels to less than 2 ppb, regardless of influent levels, SafeGuard H2O can operate unattended for upwards of three months. The system is easily scalable from a well of a few gallons per day to more than a million gallons/day, and is 50% the cost of traditional systems.

Cr(VI) Treatment Cost Comparison

Traditional Cr(VI) Treatment

\$3-7 | 1,000 gal

SafeGuard H2O Cr(VI) Treatment

\$0.7-1.4 | 1,000 gal

SAFEGUARD™ H2O PROCESS

SafeGuard H2O is a very cost effective hexavalent chromium remediation system to operate since the only consumables include the replacement of the in-situ stannous ion cells and electricity.

