

SAFEGUARD™ H2O

Intelligent Cr(VI) Treatment System



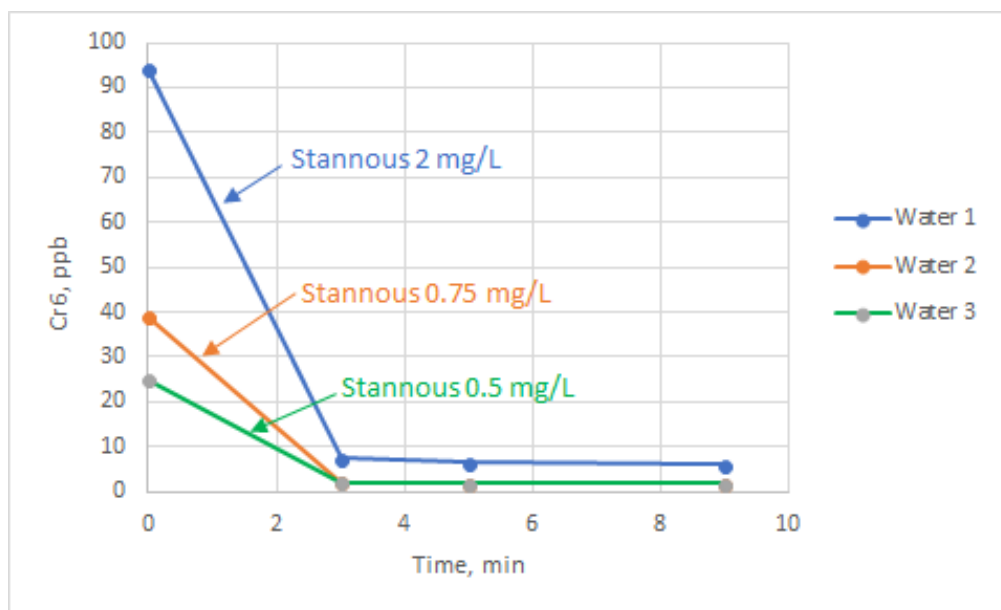
The patent-pending SafeGuard H2O™ is an innovative approach to providing an economical and reliable treatment for small and large water systems affected by contamination from Cr(VI), a known carcinogen. SafeGuard H2O is an affordable, accurate and intelligent Cr(VI) treatment system that generates a stannous ion reagent in-situ via an electrolytic process. The system also features an online Cr(VI) analyzer to measure system performance in real time.

As the industry's first intelligent water treatment system, SafeGuard H2O's real-time sensing ensures system performance and that the process is optimized to avoid under- or over-treatment. Additionally, the intelligent analyzer allows the SafeGuard H2O system to consistently treat Cr(VI) below 10 ppb even under extremely challenging water conditions.



INTELLIGENT PERFORMANCE

The SafeGuard H2O system has successfully demonstrated its ability to efficiently generate stannous reagent levels (0.25-100 ppm) into a raw water stream and to convert hexavalent chromium into trivalent form with high efficiency and stability.



Analytical data from the system's onboard online method had an accuracy and reliability of +/- 10%, further affirming the ability of the SafeGuard H2O system to monitor the Cr(VI) remediation process in real-time.

SafeGuard H2O, the only intelligent water system, is an affordable and reliable Cr(VI) treatment system that is helping to drive down the costs of improving the quality of US water supplies. The system features low CAPEX and OPEX costs.

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