

PRESS RELEASE

AMS to Demonstrate SafeGuard™ H2O Cr(VI) Remediation System at AWWA ACE19

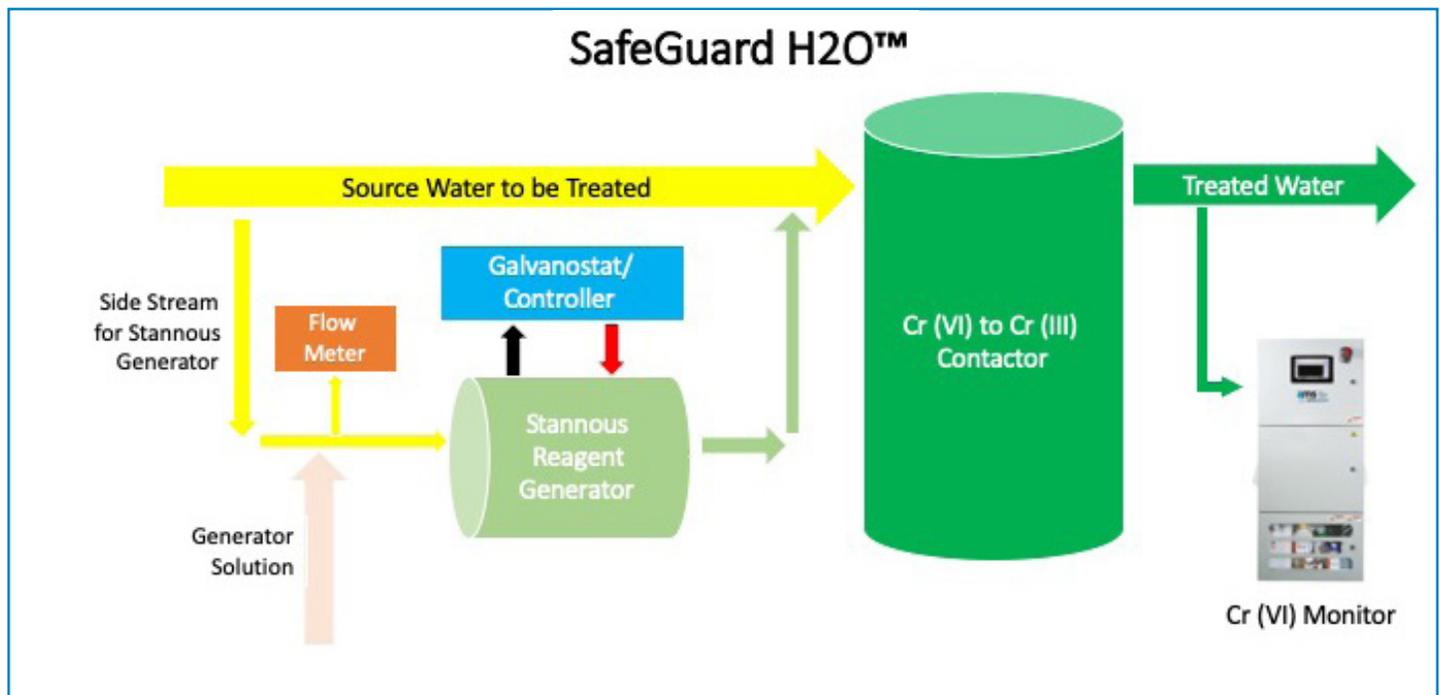
SUNNYVALE, CA. - 9 June 2019

[Aqua Metrology Systems](#) (AMS) a leader in the prediction, control and treatment of trace metals, will conduct a demonstration of its SafeGuard™ H2O hexavalent chromium remediation system during AWWA ACE19 show in Denver.

The demonstrations will take place on Monday, June 10 at 11 a.m. and Tuesday, June 11 at 2 p.m. at the AMS booth #1408.

[SafeGuard™ H2O](#) is specifically designed for municipal water systems looking for new treatment options to remove Cr(VI). The system is a fully automated and generates a stannous ion reagent in-situ via an electrolytic process to treat trace metal contaminants in real-time. The system has been proven to remove Cr(VI) to less than 2 parts per billion (ppb) under challenging conditions with high levels of contamination.

The SafeGuard™ H2O system can be fully controlled, monitored and optimized remotely and the presence of personnel on site for supervision is not required. Traditional treatment systems cannot operate unattended and have significant capital and operating costs when factoring in chemical handling and waste disposal costs. As such, they are out of the reach of many communities with Cr(VI) contamination — systems can cost USD\$2 million or more, making them an unattractive option. With the SafeGuard H2O system, available for less than USD\$1 million, utilities now have an easy to operate, affordable and reliable Cr(VI) remediation system. SafeGuard H2O treatment system, w/out filtration, ranges between \$0.7-1.4/1,000 gallons treated; whereas the cost of traditional Cr(VI) removal, depending on system design and waste disposal, can range between \$3-7/1,000 gallons treated.



SafeGuard™ H2O Technology Process Diagram

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AMS CEO Rick Bacon said, "We are excited to demonstrate the advantages of the SafeGuard™ H2O technology at AWWA ACE19. With this easy to operate, affordable and reliable Cr(VI) remediation technology, water systems that were previously shut down for exceeding the existing regulatory limit can be brought back online."

A SafeGuard™ H2O system can be demonstrated, at scale, using a fraction of the eventual volume/flow to be treated. This results in a pilot with a small footprint that can be set up and operational in hours rather than days. For example, an AMS on-site pilot will use 100 liters per day compared to other technologies that use 1,000s liters per day.

About AMS

[Aqua Metrology Systems Ltd.](#) (AMS) believes real-time water quality analysis and remediation are essential to environmental protection. AMS is a leader in the prediction, control and treatment of disinfection byproducts (i.e., THMs) and trace metals, across municipal and industrial sectors. AMS's online analytical instrumentation provides accurate and reliable data on water quality contaminants through continuous monitoring. AMS's SafeGuard H2O™ is an intelligent water treatment system integrating real-time sensing with an innovative approach for removing trace metals.

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