

PRESS RELEASE

PAX Water Technologies Unveils In-Tank Aeration Install at San Jose Water Company

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Richmond-based [PAX Water Technologies](#) and Sunnyvale-based [Aqua Metrology Systems](#) today unveiled the installation of an innovative in-tank aeration system at San Jose Water Company. The system, installed by [Utility Service Group](#), is being deployed in a 1.2 million-gallon water storage tank to maintain high water quality during the drought.

Trihalomethanes (THMs) are formed when the chlorine used to disinfect and purify water reacts with natural organic matter and are regulated under the U.S. EPA's Stage 2 Disinfectant and Disinfection Byproduct Rule. Due to the California drought, organic matter in rivers and lakes has become more concentrated and municipalities are reporting higher THM levels.

In-tank aeration works by creating droplets and bubbles at the water's surface, allowing THMs to escape and be ventilated out of the water tank. "In-tank aeration simply mimics a natural process that exists in mountain streams and rivers and introduces it into the man-made water distribution system," explains PAX Water CEO Dr. Peter S. Fiske.

"With the California drought, there's more pressure than ever to keep our remaining water supply at a high standard," said Francois Rodigari, Director of Water Quality and Environmental Compliance at San Jose Water Company. "Partnering with local water technology innovators gave us the right tools to ensure a safe and high-quality supply for customers – our top priority at San Jose Water."

Aqua Metrology Systems provided their [THM-100™](#) online THM analyzer to help track the performance of the aeration system in real-time. "Fluctuations in THM levels and their effect on process control changes are difficult for utilities to characterize based on the frequency of quarterly grab samples and the turnaround time of laboratory analysis," said Rick Bacon, CEO at Aqua Metrology Systems. "Our online THM monitor provides utilities with high frequency, reliable and real-time data on THM levels, so they can optimize operations and mitigate the presence of THMs in their drinking water."

About PAX Water Technologies

PAX Water Technologies delivers innovative water quality solutions, inspired by nature and backed by science, to safeguard drinking water for municipalities and the communities they serve. The company's biomimetic mixing technology efficiently circulates the water held in storage tanks to eliminate thermal stratification and reduce high water age, disinfection byproducts and nitrification. www.paxwater.com.
About Aqua Metrology Systems

Aqua Metrology Systems Ltd. (www.aquametrologysystems.com) is a leader of online and offline analytical instrumentation for the determination of water contaminants, specifically disinfection by-products and trace metals, across municipal and industrial sectors. We believe high frequency data is essential for effective process control and optimization. As a result, our technical solutions are designed to provide reliable and repeatable information on water quality contaminants through continuous, real-time monitoring.

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