

Trihalomethane (THM) Removal Systems

Because of the health risks associated with long-term consumption of disinfection by-products (DBP), the U.S. Environmental Protection Agency (EPA) has established rules limiting DBP levels in drinking water. The Turnkey THM removal system is a significantly faster and cheaper way to reduce trihalomethane levels, especially when compared to the alternative: making changes to the upstream processes in the treatment plant.

The challenge



Compliance

EPA's Stage 1 and Stage 2 rules establish maximum allowable levels of DBPs in drinking water.



Cost

Alternatives to DBP removal—eliminating organics from upstream processing—can be costly.



Water quality

Long-term consumption of DBPs may increase health risks, according to EPA.

The THM removal system offers custom solutions to help you comply with EPA's Stage 1 and 2 DBP rules.

A one-stop shop for THM removal

USG Water Solutions offers a complete, turnkey solution, including design, engineering, equipment selection and installation by trusted tank specialists.



We are seeing THM levels 40-70% lower leaving the tank than those coming in.
Adam Feffer, Water Quality Engineer - San Jose Water Company, California



The benefits



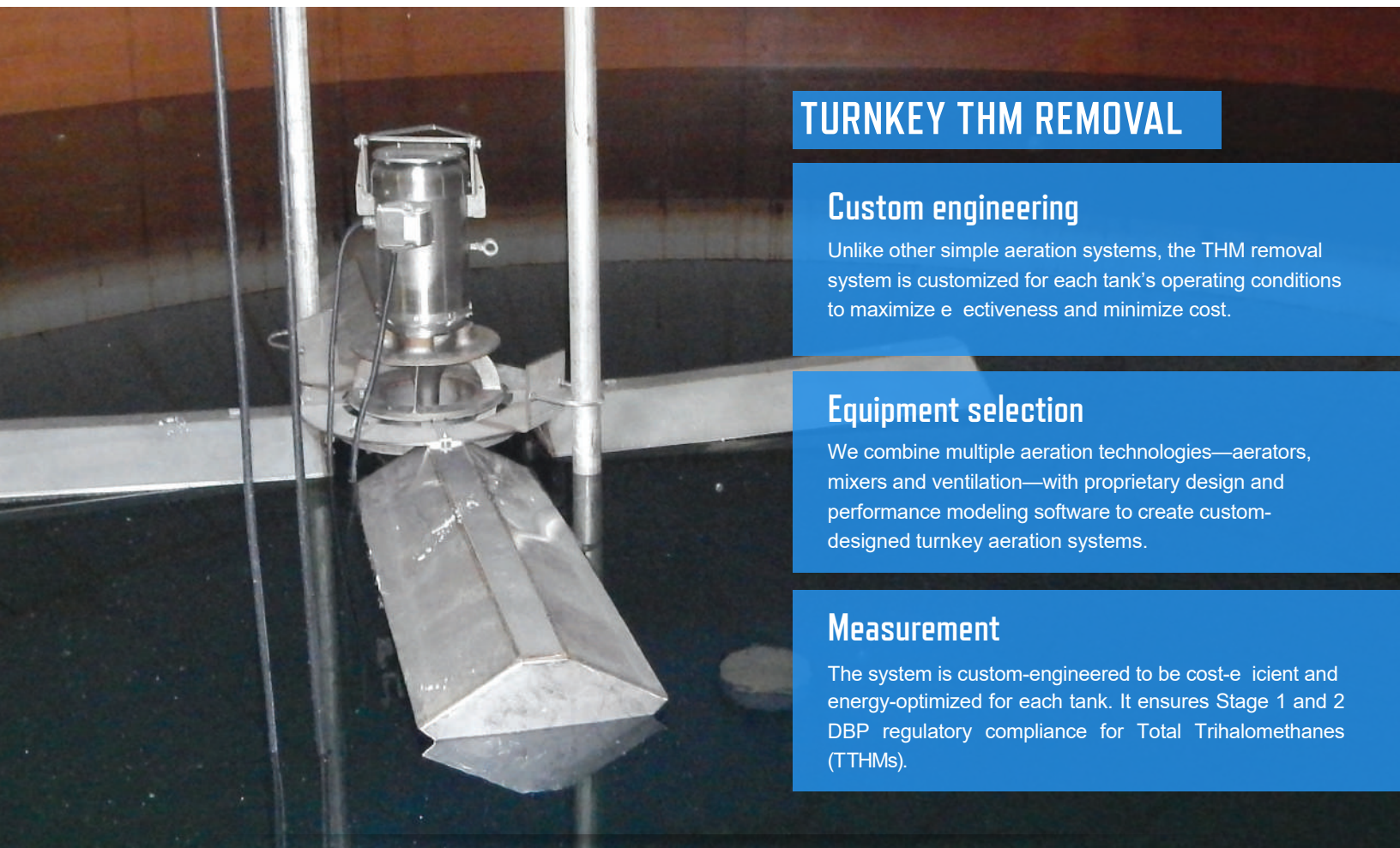
Cost-effective



Energy-efficient



Custom-designed



TURNKEY THM REMOVAL

Custom engineering

Unlike other simple aeration systems, the THM removal system is customized for each tank's operating conditions to maximize effectiveness and minimize cost.

Equipment selection

We combine multiple aeration technologies— aerators, mixers and ventilation—with proprietary design and performance modeling software to create custom-designed turnkey aeration systems.

Measurement

The system is custom-engineered to be cost-efficient and energy-optimized for each tank. It ensures Stage 1 and 2 DBP regulatory compliance for Total Trihalomethanes (TTHMs).

The ultimate solution:

USG Water Solutions
Asset Management

At USG Water Solutions, we believe you shouldn't have to choose between a capital expense that is beyond budget and an unpredictable run-to-failure approach. Our Asset Management Program packages the rehabilitation and future maintenance of your assets into a single contract, with USG Water Solutions assuming all operational and maintenance risk for a set annual cost.

Expert help with DBP compliance.

Call +1 (855) 526-4413 or visit

www.usgwater.com

Utility Service Group Water Solutions

1230 Peachtree Street NE
Suite 1100 | Promenade Building
Atlanta, GA 30309



USG WATER
SOLUTIONS

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