

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

Learn more on the back.

## 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.

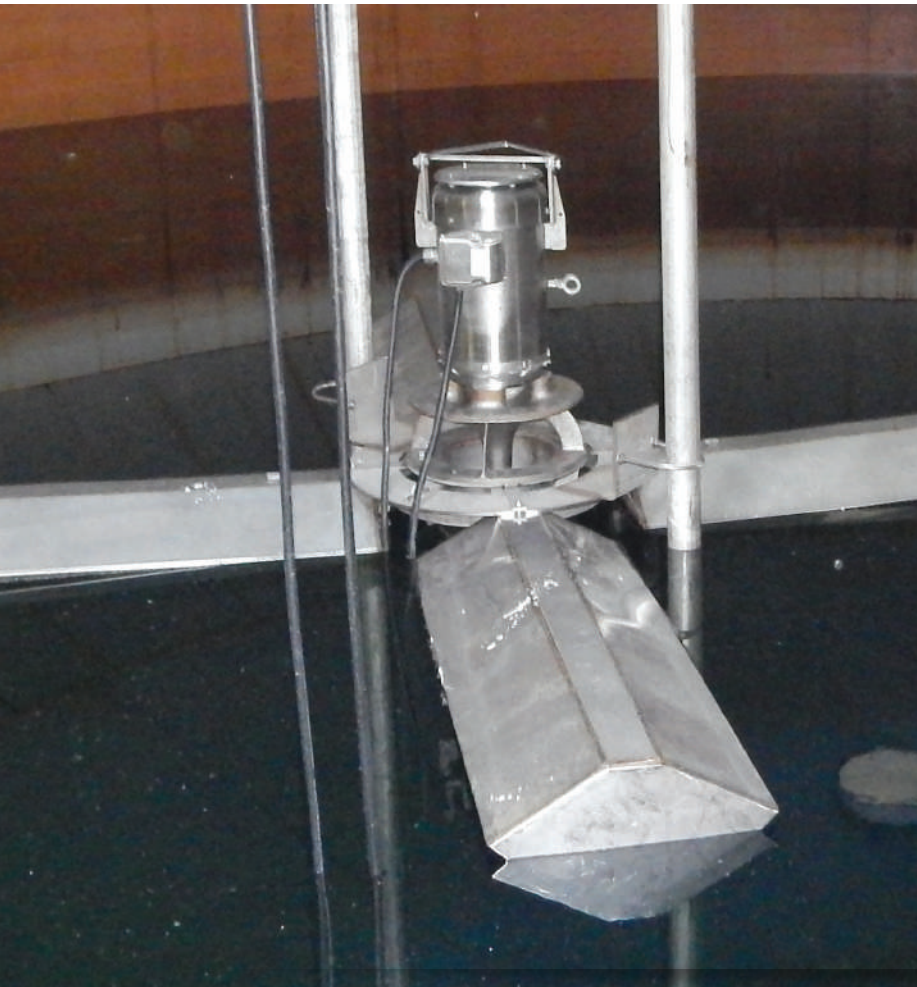


*We are seeing THM levels 40-70% lower leaving the tank than those coming in.*  
Adam Feffer, Water Quality Engineer - San Jose Water Company, California



## The benefits

- ✓ Cost-effective
- ✓ Energy-efficient
- ✓ Custom-designed



## TURNKEY THM REMOVAL

### Custom engineering

Unlike other simple aeration systems, the PAX TRS™ 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 (AMP™) 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](http://www.usgwater.com)

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