

Case Story Interview

USNYPW-LOC4361.001



TTHM Removal when flushing isn't an option.

Cost-effective spray aeration system is a perfect fit for distribution storage tanks.

The following is an interview with Brian Nutting, Water Quality Division Director for Development Authority of the North Country (DANC) in Upstate New York.

Would you give us a quick overview of your organization and your role?

The Development Authority of the North Country is a public benefit corporation that serves several counties in northern New York. The Authority provides technical services and infrastructure that enhance economic opportunities in the region and promote the health and well-being of its communities. The Development Authority is self-supporting and owns and operates a number of revenue-based infrastructure facilities including a regional landfill, an open-access telecommunications network and the water and sewer lines that serve Fort Drum. I am the director of the Authority's Water Quality Division.



Brian Nutting, DANC Water Quality Division Director

What options did you consider when evaluating how to reduce THMs? Why did you decide to go with us?

A typical solution for reducing THM's is to flush at dead ends of the water system. Since the Army Waterline is a transmission line, there are not dead ends.

We looked at other treatment techniques. We found spray aeration to be the most cost-effective and your system fit our application perfectly – it was made for storage tanks.

We then decided to install your THM spray aeration system at our Booster Pump Station 2 Storage Tank at Fort Drum. *(continued next page)*



Booster Pump Station 2 Storage Tank



GridBee® SN Series Spray Aeration System

Case Story Interview (cont'd)

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What are the biggest advantages you feel our product offers?

It works! It removes the THMs and does exactly as advertised. Another advantage is your system does not impact or interfere with any of our other processes – we don't even know it's there except that we have great THM removal results.

We also appreciate the service program. We like that your support team proactively reaches out to us for scheduling and are glad to have your field team do annual maintenance, so we don't have to. I've talked to folks at other municipalities who have your spray aeration system in their tanks and they also are happy with them.

Can you describe your THM removal results?

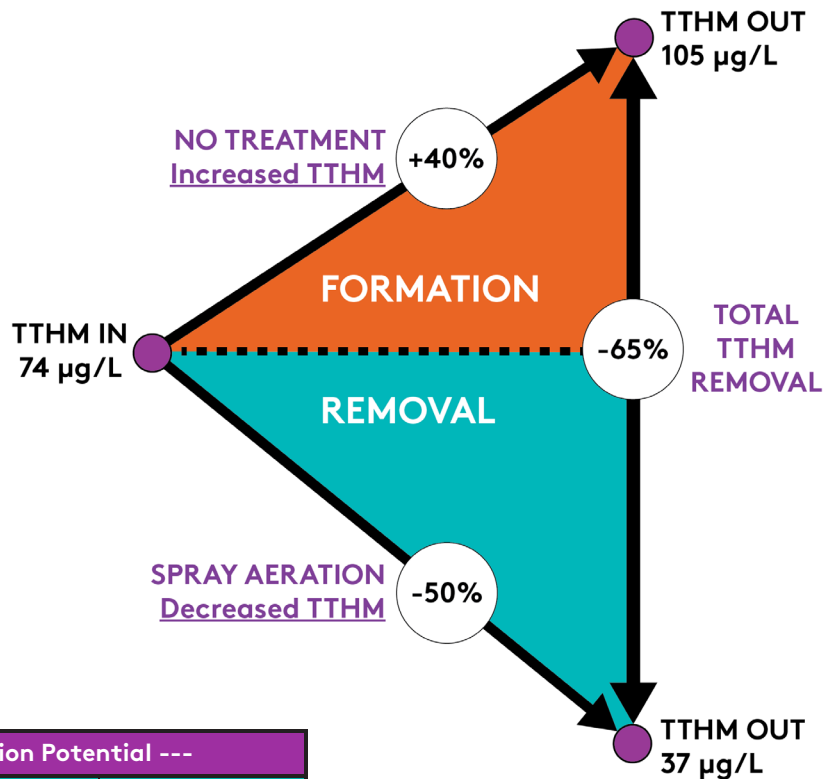
We saw improvements directly at the tank. (see included data below)

Any final thoughts?

This system performs as advertised. That was evident right away. I'd be happy to recommend this system to any other person who is struggling with THMs because it works!

Customer Supplied TTHM Removal Data

	No Treatment (7/20/2020)	Spray Aeration (8/20/2020)
TTHM In (µg/L)	74.8	74.3
TTHM Out (µg/L)	105.0	36.8
Difference (µg/L)	+30.2	-37.5
Difference (%)	+40%	-50%



--- Total TTHM Removal Including Formation Potential ---			
No Treatment TTHM Out (µg/L)	Spray Aeration TTHM Out (µg/L)	µg/L Difference	% Difference
105.0	36.8	-68.2	-65%