

CASE STUDY

AQUARION WATER COMPANY

MONROE, CT

Aquarion Water Company is the public water supply company for approximately 236,000 customer accounts or more than 750,000 people in 72 cities and towns in Connecticut, Massachusetts and New Hampshire.

Presented Issue

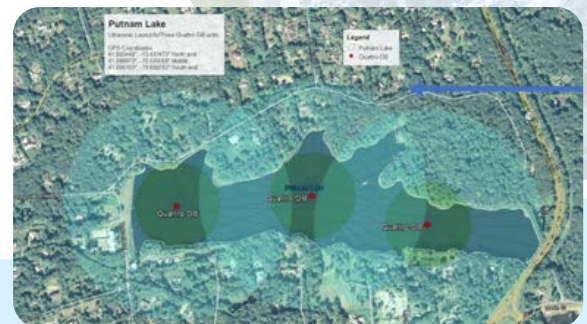
Aquarion Water Company was facing a potential Microcystis bloom in their drinking water system. Microcystis is a genus of freshwater cyanobacteria that includes the harmful algal bloom-forming Microcystis aeruginosa. Many members of a Microcystis community can produce neurotoxins and hepatotoxins, such as microcystin and cyanopeptolin, which could lead to public health risks. There was also a need to reduce copper sulphate usage. The EPA has set a copper sulfate limit of 1ppm in any drinking water, staying below this level is imperative.



HBS CUSTOMER ACCOUNT MGR
TODD AUSTIN WITH
AQUARION WATER QUALITY FIELD OPS
SUPERVISOR, SETH JONES

Our Solution

Our water quality experts partnered with Aquarion's staff and determined 9 SolaRaft Quattro-DB units, deployed across three reservoirs would provide optimal results for the community's drinking water. Our ultrasonic technology emits thousands of frequencies that break down the cellular make up of algae. We use eco-friendly, chemical free processes to mitigate algae.



ULTRASONIC LAYOUT
PUTNAM LAKE, MONROE COUNTY

The Results

After successful deployment and operation of our transducers, Aquarion Water Company reported reduced Anabaena, Amphanizominon, Oscillatoria, Plantothrix and chemical usage, within 14 days.