

CUSTOMER CASE STUDY



INDUSTRY

Nursing Home

EQUIPMENT

(3) Potable Hot Water Systems

LOCATION

Northeastern US

CUSTOMER CHALLENGE

Encountered a Positive Case of Legionnaires' Disease.

An initial round of sampling at the nursing home had 58% of samples come back positive for *Legionella* bacteria. Multiple overnight halogenations were attempted but biofilm was never eradicated and bacteria levels rose after initial decrease in positivity. The age of the building and severely-compromised piping did not allow for chlorine to be a long-term option. Local DOH and DEP mandated bi-weekly testing (at \$10,000 per round) and point of use filters to be installed (at over \$6,000/month) until positivity was at zero.

A site survey revealed several domestic water hygiene issues:

- 100+ year old building with 3 separate hot water systems.
- Two unused floors with many dead legs throughout.
- Minimal disinfectant levels in domestic hot water.
- No Water Management Plan (WMP) in place.

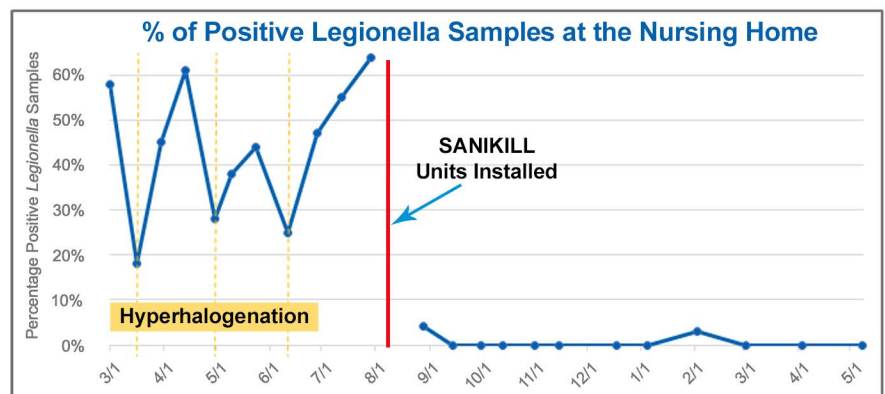


CLARITY'S SOLUTION & KEY OUTCOMES

Installed SANIKILL® monochloramine generators for continuous disinfection.

Clarity installed 3 hot water SANIKILL® monochloramine generators on site to provide continuous disinfection of the potable water.

- Within 4 weeks of operation, the **percentage of positive *Legionella* samples** in the hot water systems **dropped from over 60% to under 8%.**
- **Within 2 months the levels were at 0% positivity** in the building and have consistently been at or near 0% ever since.



Contact Our Water Treatment Experts for a FREE Consultation!

(845) 589-0580

claritywatertech.com

For applications that require continuous potable water disinfection to prevent *Legionella* and other water borne pathogens, Clarity utilizes SANIKILL® state-of-the-art monochloramine generation systems by Sanipur.