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.