

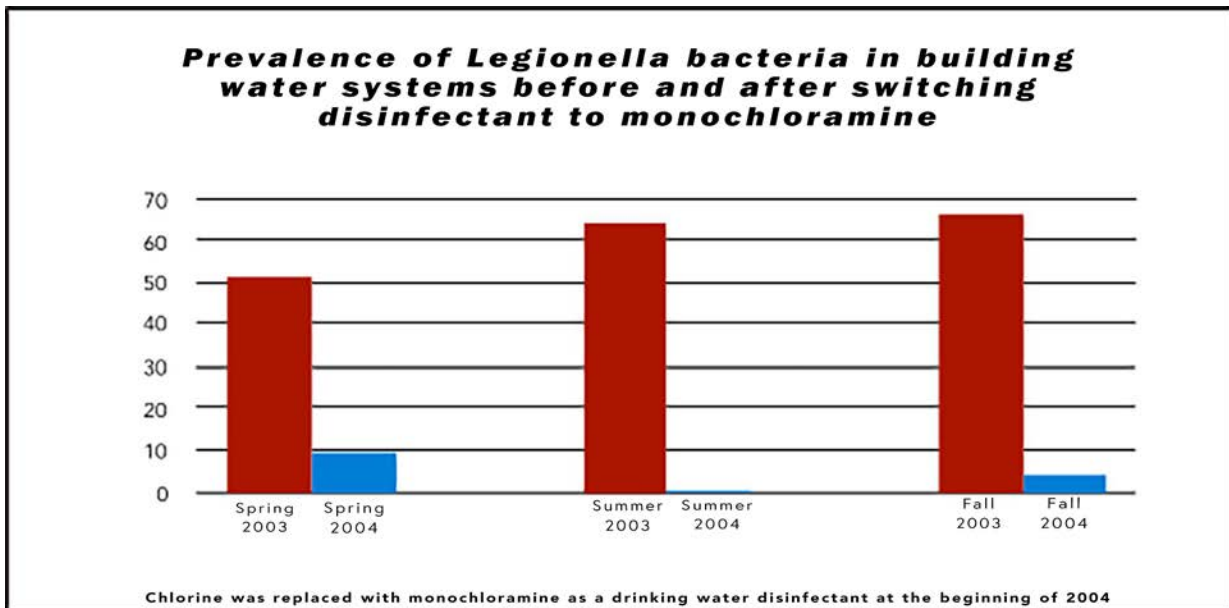


# Monochloramine Effectiveness Against *Legionella* Bacteria

Monochloramine has been used as a drinking water disinfectant in the U.S. for over 100 years. Multiple U.S. cities use monochloramine, including Philadelphia, San Francisco, and Washington, D.C. It is estimated that 30 percent of the U.S. municipal water systems currently use monochloramine in their systems, serving 100 million U.S. customers.

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In 2006, the San Francisco Public Utilities Commission, which supplies drinking water to 2.4 million residents, shared the results of the largest study performed of its kind. It studied the impact of switching its disinfectant from chlorine to monochloramine on building water system colonization of *Legionella* bacteria. The results of the study show a large decrease of *Legionella* bacteria.



Numerous municipalities choose to use monochloramine as a drinking water disinfectant. Monochloramine is effective against common waterborne bacteria including *legionella* bacteria, and develops significantly less disinfection byproducts (DBP), such as THM (Trihalomethane) and HHA (Haloacetic Acids) than traditional free chlorine treatment.

Utilizing monochloramine as a supplemental disinfection strategy improves the quality of potable water and minimizes the proliferation of biofilm. Barclay's iChlor® monochloramine system permits the supplemental disinfection of potable water supplies in facilities. iChlor® offers continuous online monitoring and control of system water chemistry which is essential to achieve the desired results. Our comprehensive services include system design, supervision of the installation, on-going field and laboratory testing, and remote monitoring and control of system water chemistry. We evaluate the entire potable water distribution system and develop a custom solution for the facility.



*Ask your representative for more details on how Barclay Water Management can implement monochloramine supplemental disinfection in your system.*