



WATER MANAGEMENT TREATMENT PROGRAMS

ChemTreat can help develop a sustainable treatment program consistent with Cooling Technology Institute (CTI) and American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) guidelines for reducing the risk of Legionellosis in evaporative cooling water systems.



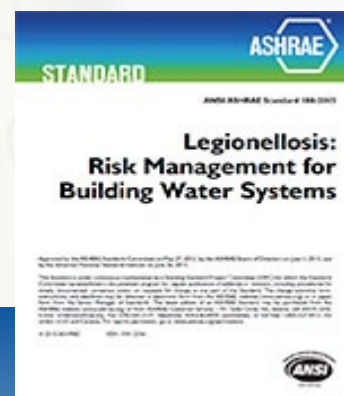
ChemTreat Can *Help*

ASHRAE has published the first United States standard for Legionella. ANSI/ASHRAE Standard 188, Legionellosis: Risk Management for Building Water Systems provides minimum risk management requirements for new and existing buildings and the associated water systems and components. The standard applies to buildings with certain risk characteristics, including:

- Use
- Occupants
- Equipment

ChemTreat can assist with meeting the elements of compliance through:

- Third-party Water Management Plans (WMP)
- Automation and Control
- Online Real-time Data Logging
- Validation Testing
- Tower Cleanings
- Education



Steps to ASHRAE Standard 188



COOLING TOWERS

- Locate tower away from air intakes and as remote as possible
- Minimize drift and exposure to at-risk population affected by plume
- Manage equipment within KPI (Key Performance Indicators)
- Maintain disinfectant according to WMP and document
- Clean according to WMP and document



POTABLE WATER

- Determine control methodologies
- Document KPI in accordance with WMP
- Clean fixtures and ice machines regularly and document
- Flush water through system and remove dead legs to prevent stagnant conditions
- Maintain any secondary disinfectants in accordance with WMP
- Validate program and document operations



FOUNTAINS

- Locate away from at-risk populations or remove
- Ensure accessibility for maintenance
- Clean according to WMP
- Maintain disinfectant according to WMP and record use/control limits
- Drain fountain when not in use
- Document maintenance/cleaning operations
- Validate program



SPAS & HOT TUBS

- Maintain water chemistry within KPI
- Clean and disinfect according to WMP
- Schedule and routinely check mechanical systems using KPI
- Document maintenance/cleaning operations
- Install and maintain continuous filtration
- Avoid extended periods of stagnant water

ChemTreat's Enhanced Offerings



Automation & Control

- Ion-specific electrode technologies for real-time disinfectant monitoring and data logging
- Web-enabled data management to provide real-time reporting and analysis to tablets, PCs and smartphones
- Preset alarms provide 24/7 notification of changes in key parameters



Customer Education

- Comprehensive team training to assist customers with startup of water management programs
- Seminars and workshops to share best practices and new technologies
- Audit programs to ensure efficiency of operations and highlight cost savings opportunities



Cooling Systems

- State-of-the-art chemistry for the prevention and control of scale, corrosion deposition, and microbiological growth
- Breakthrough green solutions for cooling water treatment
- Treatment programs developed to optimize water usage



Potable Water Systems

- Assistance with third-party water management programs
- Validation testing and reporting
- Local, reliable consulting expertise

*Enhanced offerings are optional services.
They are not part of all treatment packages.*



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5640 Cox Road / Glen Allen, Virginia 23060
800-648-4579 / 804-935-2000
www.chemtreat.com