OMNI Solutions offers immediate water treatment modalities to remediate existing legionella bacteria contamination and preventive UV technologies to stop threats from entering your water systems. UV light inactivates the legionella microbe by penetrating the cell wall and damaging its DNA, destroying its ability to reproduce.
Our program also includes a comprehensive Water Management Plan. Without one, legionella or other pathogens could multiply to numbers that may cause disease.

Health Protection
Protect your business and the people in your care with OMNI Solutions’ effective LUMARS program, giving you the confidence that your water systems are secure from pathogens like legionella and in compliance with best practices and legal requirements.

LUMARS Program
Our program also includes a comprehensive Water Management Plan. Without one, legionella or other pathogens could multiply to numbers that may cause disease.

CMS Facility Requirements
Government and regulatory officials mandate that facilities develop and adhere to policies and procedures that inhibit microbial growth in building water systems to reduce the risk of growth and spread of legionella and other opportunistic pathogens in water.
Legionella bacteria are found naturally in fresh water and might easily exist unnoticed leading to illness and mortality in long term care, clinics, hospitals, and hospitality facilities.

When legionella concentrations are present in facility water systems there is an increased risk of Legionnaires’ Disease outbreaks. CDC reports that there is a 25% fatality rate from Legionnaires’ Disease cases affecting immune-compromised individuals such as those found in hospitals, nursing homes, assisted living centers, and other long-term care facilities.

- Since 2000, confirmed cases of Legionnaires’ disease have increased nearly 450%
- 10% of reported cases are fatal (25% in healthcare facilities)
- Those over age 50 with compromised immunity and guests with respiratory ailments are most at risk
- Outbreaks are commonly associated with complex water systems in multi-bed facilities such as hospitals, senior care, and hospitality facilities

The bacterium legionella can cause a serious type of pneumonia called LD. Those most at risk include persons who are at least 50 years old, smokers, or those with underlying medical conditions such as chronic lung disease or immunosuppression. Outbreaks have been linked to buildings with large or complex water systems including hospitals and long-term care facilities. Transmission of bacteria can occur via aerosols from devices such as showerheads, cooling towers, hot tubs, and decorative fountains.

**Legionella grows best at 68°-113° F**

- Warm water increases biofilm formation, providing nutrients that grow bacteria
- Warm temperatures make it hard to keep disinfectants such as chlorine at levels needed to kill germs like legionella
- Parts of water systems where water stagnates
- Ice machines, decorative fountains, water heaters
LEGIONELLA ULTRAVIOLET MONITORING AND REMEDIATION SYSTEM

OMNI Solutions, a Wisconsin company, was founded by established leaders in the industries of manufacturing, hospitality, health care, and housekeeping. Visit omnisaves.com or call 888.356.9111 for more information.

Accredited for legionella water management plans by the American National Standards Institute.

LUMARS Remediation Hyperchlorination Services for elimination of legionella bacteria

- UV Product Installation (Generators, Water Filters, etc.) with access port
- OSHA and CDC Compliant
- Minimum System Corrosion by Monitoring Dwell-time
- Comprehensive Plumbing System Flush
- Elite Certified Lab Testing for Verification
- Continuous Monitoring and Reporting Solutions
- CDC ELITE Certified Laboratory Testing
- Interventional System Treatment Options
- Facility Risk Assessment
- Specified Testing Protocols
- Ongoing Consulting

CMS Facility Requirements

Government and regulatory officials mandate that facilities develop and adhere to policies and procedures that inhibit microbial growth in building water systems to reduce the risk of growth and spread of legionella and other opportunistic pathogens in water. If no such compliance exists, citations resulting in heavy fines, inability to collect Medicare for healthcare facilities, and even business closures can result. Surveyors will review policies, procedures, and reports documenting water management implementation results to verify that facilities:

- Conduct a facility risk assessment to identify where legionella and other opportunistic waterborne pathogens (e.g. Pseudomonas, Acinetobacter, Burkholderia, Stenotrophomonas, nontuberculous mycobacteria, and fungi) could grow and spread in the facility water system.
- Implement a water management program that considers the ASHRAE industry standard and the CDC toolkit, and includes control measures such as physical controls, temperature management, disinfectant level control, visual inspections, and environmental testing for pathogens.
- Specify testing protocols and acceptable ranges for control measures, and document the results of testing and corrective actions taken when control limits are not maintained.

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