


Legionella Capability Statement


Venergy Group LLC's Water Safety Management Division is dedicated to the management of facility water systems to minimize the risk of building-associated Legionnaires' Disease and other microbiological & bacterial conditions that present a safety hazard to patients, employees, and visitors.


BONDING: \$50M Single; \$100M Aggregate





Our Services


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Risk Assessment
Assessing and managing Legionella risks in water systems to prevent contamination.
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Remediation Strategies
Implementing effective Legionella decontamination procedures in water systems.
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Environmental Testing
CDC-ELITE certified lab testing for Legionella to ensure water safety compliance.
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Technical Support
Engineering solutions to maintain high standards in water safety management.
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Monitoring & Control
Advanced technology for continuous surveillance and management of water quality.
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Compliance Management
Ensuring adherence to environmental regulations to mitigate legal liability risks.

Through the development of **Water Safety Management Plans** we aim to diminish water safety risks by utilizing a program of ongoing monitoring and control of water conditions. Additionally, validation is provided through environmental testing, and when necessary, planned **corrective remediation** actions are implemented. This proactive and documented management of your building's water systems ensures that the 'standard of care' represented by the industry standards and guidelines is exceeded and implements a 'best practices' program that also protects against legal liability.

Whether Venergy Group is responsible for the entire Water Safety Management Plan for your facility, or just a small part of the overall process, we have a straight-forward, effective business model to assist our clients that will be **customized to the individual needs of your facility**. This attention to detail and focus on the overall mission will ensure that all your specific project goals and objectives are met.

The Water Safety Management Division's technical expertise is further backed by our key subcontractors. With an **unmatched level of experience and technical qualifications**, they can be called upon when necessary to meet the specific requirements of a project.

NAICS Codes	541330	221310	561210	562211	325998
	541380	238220	334516	541990	423830
	541620	541690	924110	333318	333415
	562910	236220	221320	237110	

Project Manager - Roy Monk

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AquaTox

- Located in North Charleston, SC **Aquatox Environmental Laboratory is Venergy Group’s in-house testing facility.**
- Founded in 1993, Aquatox is a chemical and biological analytical laboratory **offering testing services for drinking water, wastewater, and surface and ground water.**
- Serving customers throughout the US, they are certified by regional and national agencies, including the **CDC-ELITE certification for Legionella testing. Visit www.aquatoxlab.com for more.**

GSA Leases

- To meet the requirements of the **Public Buildings Service Scope of Work for Drinking Water Testing in GSA Leased Facilities**, Venergy Group will provide all necessary material, shipping, and qualified technicians.
- We will work with the building management to prepare a sampling schedule that encompasses **all the requirements for Legionella, lead, copper, and total coliform testing** as specified in the Scope of Work.
- All samples will be delivered or shipped to our CDC-ELITE certified Laboratory for testing. Upon completion of testing **all results will be reported to the facility management within 24 hours**, and a **full written report including all investigative and sampling information** will be provided upon completion of the work.
- In the event that any outlets exceed the CDC, EPA, or relevant state/local threshold, **Venergy Group will be available to advise on and perform the necessary remediation procedures.**

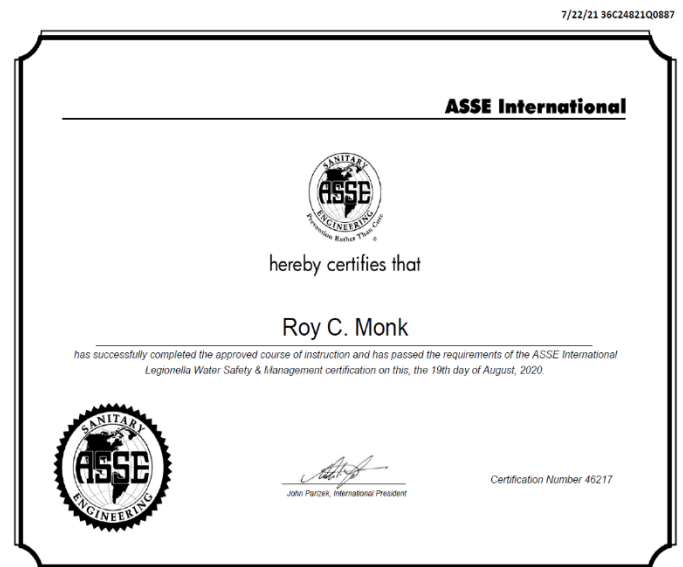
Water Safety Management Division



- **Roy Monk - Project Manager**

Roy joined Venergy in May 2020 to assist in the management of our expanding Water Safety Management Division. Prior to Venergy, Roy served as an Officer in the British Army before relocating to the USA. For the ten years prior to joining Venergy he directed the operations of two water treatment companies with a focus on light commercial applications, including hospitals, hotels, apartment complexes and golf clubs, including the collection of water samples for environmental and microbiological testing.

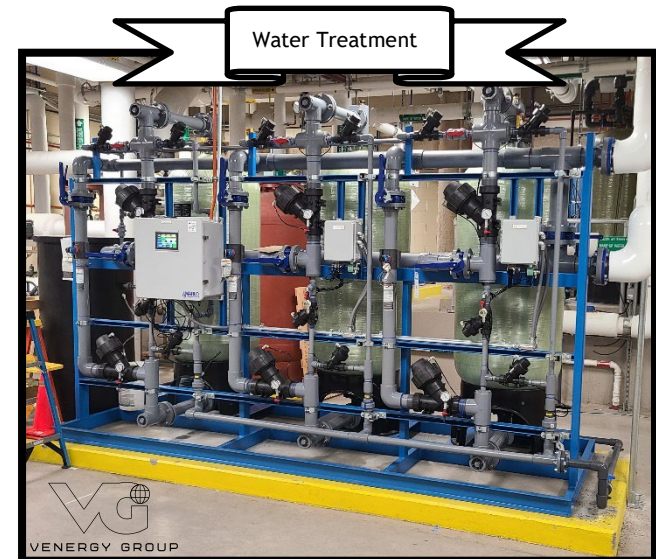
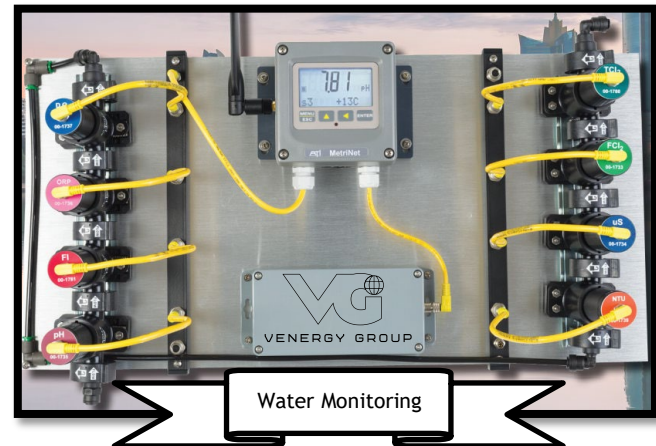
- **ASSE 12080 - Legionella Water Safety and Management Specialist.**
- **Water Quality Association - Certified Water Specialist.**
- **HACCP Certification.**



Past Performance

Venergy Group's Water Safety Management Division has been responsible for water monitoring, sample collection, and water safety management for the following VA facilities:

Manchester VA Medical Center	(Manchester, NH)
Erie VA Medical Center	(Erie, PA)
Coatesville VA Medical Center	(Coatesville, PA)
Lebanon VA Medical Center	(Lebanon, PA)
Baltimore VA Medical Center	(Baltimore, MD)
Washington DC VA Medical Center	(Washington DC)
Hampton VA Medical Center	(Hampton, VA)
Hunter Holmes McGuire VA Medical Center	(Richmond, VA)
Salem VA Medical Center	(Salem, VA)
Durham VAMC	(Durham, NC)
Fayetteville VA Coastal HCS	(Fayetteville, NC)
Charles George VAMC	(Asheville, NC)
W.G. (Bill) Hefner VA Medical Center	(Salisbury, NC)
Ralph H. Johnson VA Medical Center	(Charleston, SC)
Jesse Brown VA Medical Center	(Chicago, IL)
Lake Nona VA Medical Center	(Orlando, FL)
Miami VA Medical Center	(Miami, FL)
West Palm Beach VA Medical Center	(West Palm Beach, FL)
Pensacola Joint Ambulatory Care Center	(Pensacola, FL)
Birmingham VA Medical Center	(Birmingham, AL)
Tuskegee VA Medical System	(Tuskegee, AL)
New Orleans VA Medical Center	(New Orleans, LA)
Jackson VA Medical Center	(Jackson, MS)
Nashville VA Medical Center	(Nashville, TN)
Murfreesboro VA Medical Center	(Murfreesboro, TN)
St. Cloud VA Medical Center	(St. Cloud, MN)
Rocky Mountain VA Medical Center	(Denver, CO)
VA Southern Nevada Healthcare System	(Las Vegas, NV)



Recommended Remedial Procedures

The following remedial procedures can be considered to regain control. Remedial procedures should be included in your site-specific Water Management Program.

Outlet Flushing

This procedure can be used for low level contamination. Note that for persistent issues or when past evidence demonstrates better performance the flush time may need to be increased. Flush the contaminated outlet and at least two (2) additional outlets from different neighboring rooms or locations on the same riser or pipe run associated with the contaminated outlet for at least 15 minutes and check the final water temperature and chlorine residual.

Outlet Cleaning & Disinfection

This procedure is used to clean and disinfected contaminated outlets (shower heads and flow restrictors) using an acid descale and cleaner product followed by treatment with a disinfectant.

Expanded Outlet Remediation

This procedure can be used for higher level contamination, when there is persistent evidence of contamination or when past evidence demonstrates better performance. For hot water outlets, increase hot water system temperature, when possible, to achieve a minimum return temperature of at least 124°F. Skip this step for cold water outlets. Flush the contaminated outlet and at least two (2) additional outlets from different neighboring rooms or locations on the same riser or pipe run associated with the contaminated outlet for at least 30 to 45 minutes and check the final water temperature and chlorine residual. The final step is to perform Outlet Cleaning and Disinfection on the contaminated or target outlet, plus the two additional outlets.

Remediation of Cold-Water Systems

Hyperchlorination can be used when decontamination of a cold-water system is necessary. There are two general approaches described:

- 1) Per ASHRAE [Ref. 1], add chlorine to achieve a free chlorine residual of at least 2 mg/L throughout the system. This may require adding chlorine to cold water tanks to levels of 20 to 50 mg/L. Flush outlets until a distinct odor of chlorine is evident.
- 2) Per OSHA [Ref. 2], add chlorine to achieve 50 mg/L for one (1) hour or 20 mg/L for two (2) hours. Flush outlets until a distinct odor of chlorine is evident and the chlorinated water is retained for at least two (2) hours.
- 3) Per VHA Directive 1061 [Ref. 3], add chlorine (i.e., sodium hypochlorite) at an elevated level in the cold-water distribution systems to at least 2 mg/L and maintain that level throughout the systems for at least 2 hours (but not exceeding 24 hrs) and flushing all outlets.

Remediation of Hot-Water Systems

Thermal Disinfection can be used when decontamination of a hot water system is necessary. There are two general approaches described. Increase the system hot-water temperature and exercise caution to avoid scald risk:

- 1) Per ASHRAE [Ref. 1], increase the water temperature to 160-170°F and maintain at that level while progressively flushing each outlet for a minimum of 5 minutes. However, the optimal flush time is not known and may require multiple flushes of 30 minutes to reduce system contamination.
- 2) Per OSHA [Ref. 2], increase the water temperature to a minimum of 158°F for 24 hours and then flush each outlet for 20 minutes.
- 3) Per VHA Directive 1061 [Ref. 3], this procedure involves the temporary resetting of the temperature in the hot water distribution system(s) to 160°F - 170°F and then continuously flushing each outlet in the system for at least 30 minutes. The water at each outlet must be at 160°F - 170°F during the flushing period for thermal remediation implementation to be considered complete.