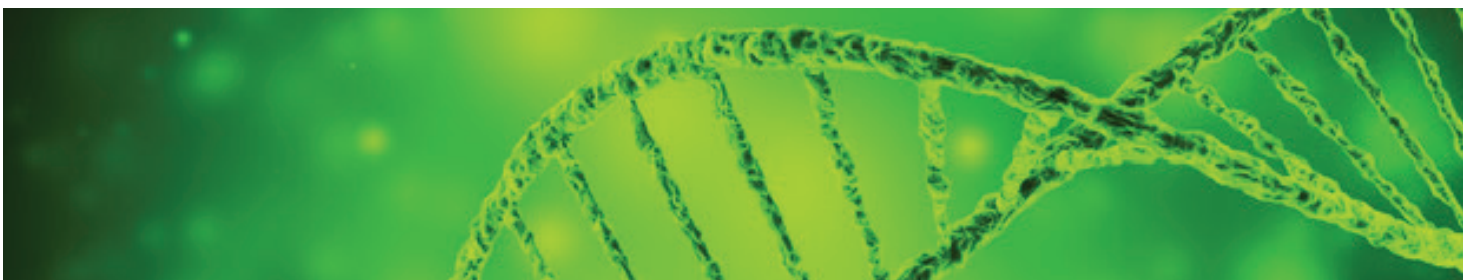


HEALTHCARE

Legionella Outbreak Immediate Response



- **Decrease risks** with better system control over microbiological growth
- **Boost efficiencies** with higher water quality
- **Spend efficiently** by evaluating CapEx that saves on OpEx
- **Protect your investment** with real-time monitoring and remote system adjustment
- **Upgrade performance** with the continuous improvement model of the Earthwise Standard of Care

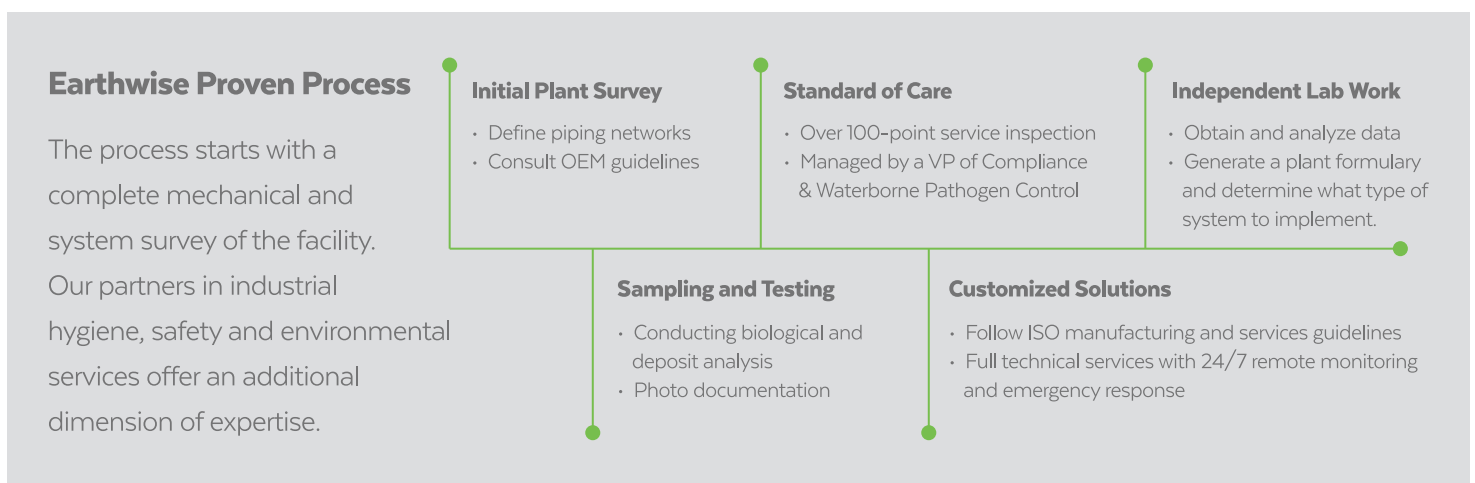


ONSITE PROJECT CONSULTING

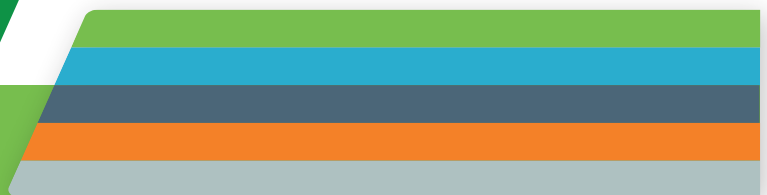
Our Certified Water Technologists (CWT) survey the facility to identify water system "watch outs" and opportunities for improving the performance of mission-critical equipment.

Our CWTs aim to cut OpEx by reducing the facility's water footprint while also minimizing risk of legionella growth.

Earthwise personnel consider ways to improve the efficiency of critical equipment, extend asset life, reduce chemical consumption, and provide remote system performance monitoring.



CASE STUDY



HEALTHCARE

Legionella Outbreak Immediate Response



PROJECT BACKGROUND

- An independent Senior Living Facility experienced a Legionella outbreak resulting in the death of a resident due to recent plumbing issues
- The state's Department of Public Health required the involvement of a qualified Water Management firm to provide guidance and mitigate risks to residents while plumbing repairs took place
- The facility's management faced significant costs and risks to resident health and safety as the issues were addressed

EARTHWISE LEGIONELLA RESPONSE SOLUTIONS

Immediate Services

Within 12 hours of first contact, Earthwise Certified Water Technologists and Certified Water Operators were on site, providing emergency solutions to prevent the mandated evacuation of the residents. Point-of-use filtration was rush-shipped and installed in 2 days, allowing the residents to stay in their homes for the 8 weeks needed to complete the necessary repairs.

Water Management Program

5 days after being called in, Earthwise's Compliance Team wrote an ASHRAE 188-compliant Water Management Plan and presented the complete Water Management Program (WMP) to the facility. Site personnel and plumbers were instructed on best practices for legionella control and to identify high-risk plumbing runs.

Earthwise continues to work with the Senior Living Facility to administer the WMP; helping the program team respond to potential issues before residents are put at unnecessary risk. Ongoing legionella testing yields negative results, and WMP team meetings provide continued success in risk mitigation.

Results

- The Senior Living Facility saved \$450,000 in tenant relocation costs during plumbing repairs
- A quick return to normal business reduced bad media attention and a loss of tenancy
- Rigorous application of the Water Management Program has resulted in low to no legionella in regular testing of potable systems
- Residents have peace of mind, knowing that their management team is doing everything possible to prevent illness and disruption to their lives



"The Earthwise Environmental team was, and continues to be, responsive, diligent, and professional - they've worked hard and earned our respect. We've worked with thousands of vendors and can easily say that Earthwise Environmental has exceeded our expectations and ranks in the top tier of those with whom we've worked."

**- Chad Kinate, Project Manager
Kingwood Construction Services, LLC**

CASE STUDY