

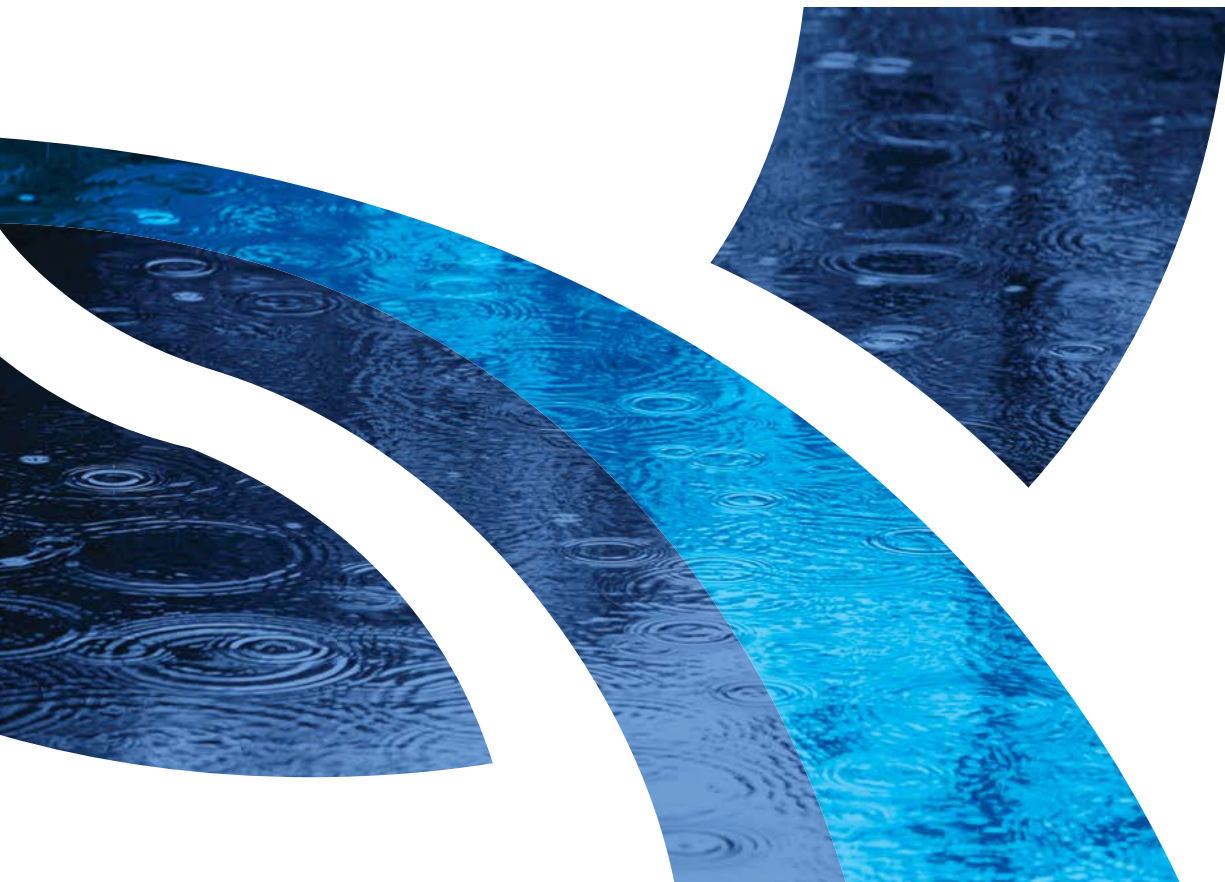


aqualisco.com | 855.890.6390



COMPREHENSIVE WATER RESOURCE MANAGEMENT

**FOR STORMWATER AND
LIFT STATION ASSETS**



SETTING THE BAR HIGH FOR WATER COMPLIANCE

AQUALIS delivers comprehensive water resource management.

Water compliance is not optional. From stormwater to wastewater, environmental challenges are forecasted to grow exponentially in the coming years due to aging infrastructure, climate change and intensity of storms, urbanization, and public safety. Without a seasoned and proven partner, the impact of stormwater and wastewater management on your business—and the environment—can be costly.

Estimates suggest there are 3.5 million miles of storm sewers, 270 million storm drains, and 2.5 million stormwater treatment assets across the United States. As a comprehensive water resource management organization, AQUALIS protects your stormwater and sanitary assets to reduce environmental impacts, maintain compliance standards, minimize localized flooding or sewage overflows, and offers 24/7 emergency response. From single-site businesses to multi-state organizations, we are dedicated to helping you achieve stormwater and wastewater compliance and exceed safety standards.

As property owners, facility managers, and water compliance leaders, we must act together to meet community expectations for water quality, comply with heightened regulations, and collaborate to protect and preserve our most precious natural resource: **water.**

85% of Americans believe water
plays a **meaningful role in their life.**



AQUALIS is the **leading self-performing stormwater and lift station management provider** in the United States & Puerto Rico.

WHY IS AQUALIS THE WATER RESOURCE MANAGEMENT COMPANY OF CHOICE?

Self-Performing Stormwater and Lift Station Services

Consistent maintenance and occasional repairs are necessary to keep stormwater and wastewater assets in compliance and operating at full capacity. When a deficiency is identified, AQUALIS coordinates, oversees, and manages the entire repair process to maintain the highest level of quality and service.

Unlike other water resource management organizations, AQUALIS deploys expertly trained teams who are dedicated to your business and to understanding your property's unique needs. This enables us to forecast potential issues and alert you before an emergency occurs or a costly repair is required.

National, Regional, and Localized Expertise

With locations and expertise throughout the United States and Puerto Rico, AQUALIS crews are certified to meet the unique regulatory standards in each and every community we serve.

As your partner in stormwater and wastewater resource management, we leverage relationships with more than 1,300 regulators across the country and engage local entities to ensure that our services achieve the highest level of compliance possible. In the case of an NOV, we work directly with regulators to suggest corrective action, get approvals, and—in most cases—avoid costly fines.

24/7 Emergency Response Services

In the unfortunate event of an emergency, do not hesitate to call our 24/7 customer hotline **(919.646.4661)**. Our on-call crews will assess the situation and provide a service timeline depending on the severity of the issue. We act swiftly to ensure minimal damage to your assets and business.



NATIONWIDE LEADER

Serving Single-Site to Multi-State Organizations

Retail
Industrial
Commercial

Municipalities
Healthcare
Education

Real Estate
Aviation
HOA & Multi-family

COMPREHENSIVE WATER RESOURCE MANAGEMENT SERVICES

AQUALIS offers a complete portfolio of stormwater and wastewater management services as well as expertise in the development, maintenance, and repair of stormwater and lift station systems.



Stormwater Management

- Maintenance
- Repair/Rehabilitation
- Consulting
- Stormwater Credits
- Green Stormwater Infrastructure



Lift Station Management

- Maintenance
- Repair/Rehabilitation
- Monitoring & Inspections



Engineering Services



Inspections



Industrial Vacuum, Jetting & Hydro Excavation



CCTV Pipeline Inspections



24/7 Emergency Response Services

STORMWATER MANAGEMENT

AQUALIS' comprehensive stormwater management capabilities include maintenance, inspection, and rehabilitation of all green and gray infrastructure, including but not limited to:

- Bioretention Cells
- Sand Filters
- Constructed Wetlands
- Wet Detention Basins (Retention Ponds)
- Dry Detention Basins (Detention Ponds)
- Grassed Swales
- Infiltration Basins
- Permeable/Pervious Pavement
- Level Spreaders
- Manufactured Underground Systems

STORMWATER MAINTENANCE

Our dedicated maintenance teams ensure your assets are maintained to the highest standards of quality and compliance. Each plan is specially developed to fit your budget and meet your unique regulatory needs at the city, state, and municipality levels. Maintenance of stormwater systems includes above-ground and underground Stormwater Control Measures (SCMs). Our scheduled maintenance protocols include:

- Inspection of All Structures
- Trash and Debris Removal
- Sediment Control & Volume Assessment
- Structural Maintenance
- Vegetation Management
- Sump & Structure Assessment
- Vacuuming (Vactor) and High-Pressure Jetting Filter Cartridge Replacement
- Documentation of Structural Deficiencies and/or Sinkholes





STORMWATER REPAIR/REHABILITATION

While regular maintenance decreases the need for repairs, stormwater systems still require occasional rehabilitation due to underlying environmental factors. In the event that a deficiency is discovered during routine maintenance or you have identified a failure, our dedicated service team proactively and transparently coordinates the repair to achieve the highest standards of quality and superior ROI.

Common failures that AQUALIS experts solve:

- Slope Erosion & Poor Vegetative Cover
- Excessive Overgrowth
- Scour Blowout at Inlets
- Damaged Inlets or Manholes
- Sinking Inlets or Manholes
- Damaged or Failed Pipe
- Compromised Dams



STORMWATER CONSULTING

Federal and state regulations change constantly. At AQUALIS, our team of experts keeps pace with the latest legal and regulatory updates in order to ensure that your property fully complies with all applicable federal, state, and local laws.

STORMWATER CREDITS

AQUALIS can help property owners reduce their stormwater utility fee by up to 40% through credit programs offered by local municipalities and jurisdictions. The criteria for these credits typically involve implementation of Best Management Practices (BMPs) or SCMs to treat and manage stormwater runoff.



Are you ready to start a stormwater management program for your property? Request a free consultation for your stormwater needs today.





**AQUALIS IS
THE ONLY
NATIONWIDE
PROVIDER OF
LIFT STATION
SERVICES.**

LIFT STATION MANAGEMENT

Operating in intense environments under constant strain, stormwater and wastewater lift stations and sump pumps require routine maintenance in order to efficiently reduce backups, unpleasant odors, and flooding.

LIFT STATION PREVENTATIVE MAINTENANCE

Maintenance of these systems requires the specialized plumbing and electrical expertise of certified professionals. AQUALIS provides routine maintenance services that can extend the life of your stormwater or wastewater pump systems.

AQUALIS Preventative Maintenance includes assessment of the following:

- Voltage
- Amperage
- External pumps
- Pump functionality
- Wet well condition and cleaning
- Discharge piping
- Water level sensors
- Pump controllers
- Telemetry system
- Emergency backup devices
- Generator functionality
- Building and site security
- Piping condition and configuration
- Pipe servicing if required
- Inline grinders associated with sanitary waste stream
- Line clearing/jetting to remove debris blockage



LIFT STATION REPAIR, REHABILITATION & INSTALLATION

AQUALIS provides stormwater and sanitary lift station repair and rehabilitation designed to save your business thousands of dollars in the long term by reducing the need for emergency response and repeat repairs. As your comprehensive resource for lift station management services, our team is proud to offer a holistic suite of solutions inclusive of both stormwater and sanitary pumps.

Repair, Rehabilitation & Installation include the following:

- Certified Muffin Monster Grinder provider
- Lift station installation or replacement
- Damaged electrical plant
- Leak detection and repair
- Inline lift station grinder installation
- Pump evaluation/repair/replacement
- Float operated, transducer, or FOG-rod operated and obvious equipment malfunction
- Evaluation/replacement of guide rail system
- Evaluation/replacement of discharge piping and check valves
- Lighting (if included) system-level controls

LIFT STATION INSPECTIONS & MONITORING

Regional inspection requirements differ across the U.S. Utilizing localized crews, AQUALIS responds appropriately to meet all compliance standards for lift stations. Sanitary or stormwater lift station inspections include:

- Inspection of interior and exterior area
- Complete electrical inspection
 - Voltage and amperage documented
- Pull pumps and remove any debris
- Confirm security of panel and site
- Wet well pumped down and sludge removed from the bottom
 - Sidewalls, bottom, and all interior to be cleaned of sludge, grease, and debris
- All deficiencies reported with 24 hours of discovery and noted on an inspection form



**Is routine maintenance required on your lift stations?
Emergency services costing you thousands in repairs?
Call us today for a free consultation.**



ENGINEERING SERVICES

Our in-house engineering team helps property owners and managers conduct annual assessments, design and develop retrofits, rehabilitate existing stormwater assets, and assess post-construction maintenance programs.

Additionally, our engineers pursue compliance with emerging regulatory measures, continuous innovation and improvement to reduce costs and increase system efficiency, and research and development of technology that assists our clients in monitoring the health of their stormwater systems.

INSPECTIONS

Inspections are a frequent and necessary component of storm and wastewater management. Our certified inspectors have the necessary equipment and expertise to perform these vital inspections safely, reliably, and efficiently. We are proud to offer preoccupancy and pre-notice of termination (NOT) as well as annual inspections to ensure stormwater and lift stations adhere to all relevant federal, state, and local regulations.



Call us today to learn more about our annual inspections and how preventative maintenance can assist in ensuring compliance on the federal, state, and local levels.



INDUSTRIAL VACUUM & JETTING SERVICES

Typically included as part of routine system maintenance, industrial vacuum and jetting provide a safe and economical way to clear and clean debris (most commonly dirt, leaves, sediment, and trash) from clogged or blocked pipelines. The solution minimizes environmental impact by utilizing a high-pressure current of water rather than harmful chemicals to keep your stormwater systems functioning at normal capacity.

HYDRO EXCAVATION

Typically used in construction activities, hydro excavation provides a safe, accurate, and cost-effective alternative to conventional digging in sensitive spaces or areas with access restrictions. This form of excavation helps prevent damage to utility infrastructure during soil removal and provides a layer of safety to employees working around subsurface utilities.

CCTV UNDERGROUND PIPE INSPECTIONS

Underground video inspections are a non-invasive solution that enables businesses to inspect, detect, and diagnose the root cause of a leak or clog and to develop an effective plan for repair. AQUALIS utilizes underground CCTV technology for inspection and repair jobs. Additionally, underground pipe inspections can be completed at the request of the client if there is a suspected deficiency within the pipe.



Holistic approaches and investigative tools provide AQUALIS with sufficient data to properly manage and treat your stormwater and wastewater assets. Contact us today for more information!





ROOT FOR NATURE

While water is our focus, we want to make an impact that protects the environment for future generations.

With declining habitats for bees and pollinator species across the U.S. and Puerto Rico, AQUALIS is proud to partner with our clients to plant pollinator gardens in stormwater basins. These gardens provide an aesthetic upgrade to the property with no impact on the stormwater asset and assist the growth of pollinator species across the nation.



Contact us to learn more about implementing pollinator gardens within your stormwater systems to contribute to sustainability and resilience of our pollinator species.





CERTIFICATIONS

Our team takes great pride in offering a comprehensive list of federal, state, and local certifications, including:

- ADS Certification
- AGC Safety Team Certification
- Bayfilter Certification
- Certified Muffin Monster Technician
- CESSWI
- Clemson Post-Construction BMP Inspector
- Commercial Aquatic Pesticide Applicator
- Commercial Turf, Ornamental, Right of Way Applicator
- Contech Certified Maintenance Provider
- CPESC
- FAA Certified Remote Pilot and Commercial Operator
- Hazardous Materials Operations/OSHA Level II
- ISA Certified Arborist
- LACP Certifications (CCTV)
- MACP
- Michigan EGLE Storm Water Operator Certification
- NADCA-ASCS Certification (HVAC)
- NASSCO-PACP
- NC Stormwater BMP Inspection and Maintenance Certification
- Oldcastle PerkFilter Certification
- OSHA 10/30 Hour
- OSHA Permit-Required Confined Space Entry
- Qualified Florida Construction Stormwater Inspector
- Stormwater Erosion and Sedimentation Control Inspector
- TN Permanent Stormwater Management



Our highly skilled and expertly trained teams are here to assist you in properly managing your water management infrastructure. Learn how AQUALIS can help today!

CASE STUDY

CITY OF AUGUSTA, GA

STORMWATER MAINTENANCE

Located in Augusta, GA, this store prides itself on being a one-stop shop for customers' health and pharmaceutical needs. Their emphasis on convenience allows their customers to have easy access to high-quality but low-priced health and wellness products.

PROBLEM

This location lacked a consistent stormwater maintenance plan, leaving the property to fall out of compliance. In mid-2019, a small cleanup occurred after a neighbor of the property claimed their dog had been bitten by a rattlesnake that had come from the basin. The incident prompted underbrush removal of the stormwater asset to clear any hiding spots for possible snakes, but the client did not enable a long-term maintenance plan. After this minor removal of underbrush and woody vegetation, the area went unmaintained for another 1.5 years.

In August of 2020, this store received a Notice of Violation (NOV) by the county Mosquito Control Department for overgrown vegetation and trash collection within their stormwater detention basin. The site had not been adequately maintained for a few years, allowing vegetation and plants to grow uncontrollably. Excessive nuisance growth and lack of maintenance caused considerable damages to the system. The fence was in disarray, covered in vining plants, and in some areas had collapsed entirely due to lack of vegetation control. The extra vegetation acted as a net that collected excessive trash and debris within the basin and provided the perfect environment for mosquitoes to thrive. The inlets and outlet control structure (OCS) were covered in plant stems and roots, with excessive sedimentation at the mouths.



SOLUTION

AQUALIS specialists got to work by inspecting the entire system rather than just assessing the pipes where clogging had occurred. Through this in-depth system analysis, the team was able to identify the current location and placement, as well as the lack of maintenance of the grinder to be one of the root causes of continued clogging. Due to its placement, it was not able to properly shred any foreign materials that may make their way into the system and therefore allowed large clumps of toilet paper, flushable wipes, and other debris to accumulate within the pipes. The hard piping that was used throughout the discharge system was another key problem that prevented the system from being adequately maintained. Due to the numerous repairs done by previous contractors, the piping was no longer a straight line and instead bent in all directions and switched between a variety of materials. This allowed materials to collect within the unnecessary turns and less than ideal connections between sections of pipe.

To prevent future reoccurrence, AQUALIS removed the grinder, as well as all the pumps and discharge piping. A full and deep jetting cleaned the station of any remaining accumulation and sedimentation. New pumps and level controls were implemented. To straighten the flow pattern and minimize areas where materials can catch, all new and consistent piping was installed. The grinder was rebuilt due to components that had not been maintained and were well past their lifespan. Since the completion of this project, the site has received routine maintenance with no failures.

AQUALIS only offers long-term solutions. Working our way backward, we find the root cause of issues to ensure our customers' systems are more than just "up and running" – we will prevent reoccurrence.

WE DELIVER 'RAVING FAN' SERVICE

At AQUALIS, we pride ourselves on delivering an exceptional customer experience, and we strive to perform at a level that makes every customer a "raving fan" of our service.

Discover the AQUALIS difference by calling 855.890.6390 or visiting aqualisco.com.



aqualisco.com | 855.890.6390
2510 Meridian Pkwy, Ste. 350, Durham, NC 27713