

Presentation of Qualifications

Environmental engineering solutions that build healthy communities





“I’m proud to say that Walden has grown and prospered because we have built a culture that values teamwork, inclusion, collaboration and our clients.”

Joseph Heaney III, P.E.
President, Walden Environmental Engineering

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Engineering the future **TOGETHER** with sustainable design

At Walden, we are proud to have partnered with some of the area's largest municipalities to design solutions that provide residents with potable water, clean energy, efficient wastewater treatment, and responsible soil remediation projects.

4 locations to better serve our clients

Our headquarters office is on Long Island. We also have operations in New York's Hudson Valley and Capital Districts, and in Hartford, CT.

1995 Walden opens its doors

Walden Environmental Engineering has been serving our clients with premier engineering services since we began operations in 1995.

Established in 1995, Walden Environmental Engineering, PLLC is a civil/environmental engineering firm headquartered in Oyster Bay, NY with offices in the Hudson Valley, Capital District, and Fort Wayne, IN. Over the last 25 years, Walden has expanded into new markets and created new services for a diverse client base. The firm now serves clients in the municipal, power, environmental, water/wastewater treatment, environmental health and safety, automotive, and oil and gas markets. Walden is a long-standing professional consultant for the Town of Hempstead, the Village of Island Park and many other local municipalities and private clients. Our multi-disciplined staff of professionals—engineers, hydrogeologists, geologists, environmental scientists, construction managers, inspectors, and GIS professionals—are committed to producing impressive results by providing innovative engineering solutions to the most complicated problems and remaining responsive from a project's start to finish.

Our firm has experience providing clients with a myriad of professional services for all of their

needs including site investigations, utility assessments and valuations, wastewater and stormwater controls, air quality and air emissions permitting, Geographic Information Systems, solid waste permitting, tank installations and removals, and grant writing—to name just a few.

Walden has worked with both municipalities and private clients, providing them with engineering solutions to a range of issues while helping to improve municipal operations and increase efficiency. Our engineers apply their formidable technical expertise and financial knowledge when performing projects that help municipalities provide communities with valuable services and save or earn money that can be put towards other vital projects.

Walden's focus has always been on giving our clients the technical resources and expertise they need to make smart decisions while providing superior customer service. We do that by promoting a spirit of teamwork and collaboration on every project.



Full-service engineering and consulting services



Walden Environmental Engineering is a full-service consulting firm dedicated to helping clients solve their environmental concerns. Our mission is simple: To assist our clients in achieving their goals. We understand that requires more than addressing your environmental challenges, but also ensuring your facility remains operational while complying with regulations, within the budget and schedule that works for you.

Our highly experienced team of engineers, geologists and environmental scientists are committed to going above and beyond in serving our clients and communities. From planning and paperwork to analysis and abatement, our team is equipped to handle even the most challenging environmental needs.

Don't see a service listed? Just ask. Because our company is a dedicated learning environment, our list of environmental engineering services continually grows. Walden endeavors to be at the forefront of embracing new technology, like drones equipped with laser scanners, that can help us perform our work more efficiently and effectively for our clients.

We'll keep you compliant, help meet your budget and schedule, and give you the peace of mind you need to operate efficiently.



Comprehensive **civil** and **environmental** engineering and **EHS support** services

AIR QUALITY & AIR EMISSIONS PERMITTING	
ANNUAL RIGHT-TO-KNOW FILING	
BROWNFIELDS	
BUSINESS & TRANSACTION ADVISORY SERVICES	
DRONES AND REMOTE SENSING	
ENGINEERING	
ENVIRONMENTAL CONSULTING	
ENVIRONMENTAL, HEALTH & SAFETY CONSULTING	
GRANT WRITING	
INFORMATION MANAGEMENT SYSTEMS	
LAB CONSULTING	
RESEARCH & DEVELOPMENT	
SHARED SERVICES & INTER-MUNICIPAL AGREEMENTS	
SOLID WASTE SERVICES	
TANKS AND FUEL MANAGEMENT	
WATER—DRINKING WATER, SANITARY SEWER & STORMWATER	

Walden Environmental Engineering is a full-service consulting firm dedicated to helping clients solve their civil and environmental engineering and EHS issues. Our mission is simple: To assist our clients in achieving their goals. We understand that means more than addressing your environmental challenges, but also ensuring your facility remains operational, while complying with regulations, within the budget and schedule that works for you.

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Representative **projects** throughout our **HISTORY**

When you work with Walden, you are working with a top-notch team of professionals that are dedicated to our clients' success and intent about making a difference in the world in which we live. Our team members are proud to work on projects that promote sustainability and good stewardship of the environment as well as protect the health and well-being of communities—because we live there too.



BROWNFIELDS ENVIRONMENTAL SITE ASSESSMENT AND REMEDIATION—WHITESTONE, NY

Walden staff served as the environmental consultant to the owner of a 12.5-acre Brownfields Site located in the borough of Queens in New York City.

The site entered into the New York State Brownfields Cleanup Program (NYSBCP) in May 2006, and initially met its remedial objectives. However, unauthorized backfill material was imported to the site and was found to contain elevated levels of semi-volatile organic compounds and pesticides, as well as hazardous concentrations of metals. The work was required to obtain a Certificate of Completion by the end of 2017 in order to receive the maximum amount of tax credits.

Walden staff reviewed the site history and associated reports in order to prepare an updated comprehensive corrective measure work plan and a stormwater pollu-

tion prevention plan. Once approved, waste characterization sampling was performed as well as oversight of the subsequent removal of material. Following the removal of the unauthorized material, Walden staff coordinated and oversaw the installation of a two-foot cover of clean fill across the portions of the site that were not capped with asphalt. Walden staff aided in the preparation of the Final Engineering Report following completion of the cover system.

Due to the project's history, the NYSBCP deadline, the large size of the site, and the technical and concise nature of the excavation; frequent and open communication with all members of the development team and regulators was imperative in order to meet the deadline. The remediation was successfully completed.

BROWNFIELD SITE INVESTIGATION AND REMEDIATION—LAKE SUCCESS, NY

This site was historically occupied by a dry cleaner that was associated with a release of tetrachloroethylene (PCE), contaminated sediments, and a soil vapor extraction (SVE) system.

Walden was retained to continue the soil, soil gas, groundwater and indoor air monitoring program being implemented to track the reductions in VOC concentrations achieved over time by continued operation of the SVE system.

Walden completed supplemental subsurface investigations including drilling and sampling soil borings, and collecting groundwater, soil vapor and indoor air samples. The analytical results indicated that the remedial goals had been met and supported shut down of the SVE system.

A new entity took ownership of the site, and continued to work with Walden to address the soil vapor intru-

sion issues associated with the site. Walden conducted an SVI investigation which indicated potential off-site impacts.

Upon the termination of the Voluntary Cleanup Program, Walden completed a Brownfields Cleanup Program (BCP) application and supporting Remedial Action Work Plan for the site, resulting in its transfer to the BCP.

Walden negotiated the remedial action plan with the NYSDEC and New York State Department of Health on behalf of the property owner. Pre-design investigation work in support of remedial design is underway. We continue to advocate for our client with the goal of achieving State approval to implement a reasonable alternative that is protective of human health and the environment and allows the owner to move forward and restore the site to beneficial use.



Our PEOPLE

The strategic focus on profitable growth, green practices, safety, diversity and people development are core values for Walden and our people, wherever we do business.



Being the very best takes the very best people

At Walden we believe that people are our most important asset. To that end, we offer top-notch training and development programs that are designed to cultivate experts, not just project managers. Our management team is comprised of individuals that are generally locals with in-depth knowledge of the region that they serve.

However, with a culture based on respect, openness, and honesty and a team of cooperative and high-performing people, Walden employees have the know-how to complete any project we work on, not just those located in their home territory.

Everything we do is based on the needs of the communities where we live and work because

as populations and cities are growing, people's needs and expectations are rising. At Walden, our employees aim to make people's lives better and help societies to grow and prosper. By providing outstanding engineering services for facilities that provide residents with energy, potable water and wastewater treatment, we can do just that.

Walden employees are not only engineers, our workforce is also comprised of professional geologists, scientists, and other experts in the fields of estimating, safety, and quality control. It is precisely this kind of diversity in our workforce that gives our company a creative edge and fresh perspective when facing the tough challenges of today's ever-changing marketplace.





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JOSEPH HEANEY III, P.E.

PRINCIPAL-IN-CHARGE

Mr. Heaney has over 30 years of experience as a Professional Engineer and is highly skilled at managing the compliance needs of private and public clients. Since establishing Walden in 1995, he has directed all of the firm's environmental and engineering services, including soil and groundwater investigations; site remediation and closure; permitting; landfill capping designs and construction; environmental reviews of proposed projects; hydrological studies; and infrastructure improvements. He works closely with clients to conceptualize cost-effective solutions to the environmental issues they face, focusing on long-term performance and economic/site development considerations.

Mr. Heaney works within the complex regulatory framework on federal, State, City, County and local levels to assist clients and municipalities in complying with applicable regulations in the most efficient manner possible. He has extensive experience in managing NYCRR Part 360 Permit negotiations and Consent Order Terms and Conditions. Mr. Heaney is a Certified Safety Professional and an expert in OSHA health and safety issues, planning and implementation.

EXPERIENCE

- Directs and conducts site investigations associated with solid waste disposal facility closures, failed USTs, and hazardous material releases
- Designs and manages soil and groundwater remediation systems and water/ wastewater treatment systems
- Conducts environmental reviews for proposed projects in accordance with applicable Federal, State and City environmental quality review regulations
- Designs landfill capping systems and oversees landfill maintenance/ monitoring programs
- Directs hydrological drainage studies and planning
- Negotiates permit requirements with Federal, State, City, County and local agencies
- Oversees grant management and storm recovery projects
- Develops and institutes underground storage tank compliance programs including registrations, testing, remedial soil removal, excavation, and sampling
- Directs quality assurance programs and health and safety plans
- Responsible for contractor performance and supervision of field oversight and work site health and safety programs including confined space entry work Conducts OSHA 8-hour refresher, 40-hour, Supervisors HA SP, confined space entry courses, and orientation training for project site workers
- Provides expert witness testimony regarding compliance with environmental/ OSHA regulations and industrial protocols

EDUCATION

M.S. Environmental Engineering, Manhattan College

B.S. Civil Engineering, Lafayette College

LICENSES AND CERTIFICATIONS

Professional Engineer licensed in New York, New Jersey, Connecticut and Pennsylvania

40-hour Hazardous Waste Operator Training (HAZWOPER)

Looking ahead to another 25 years



Our Future

In 1995, Walden opened its doors with the mission of providing clients with innovative solutions to their engineering challenges.

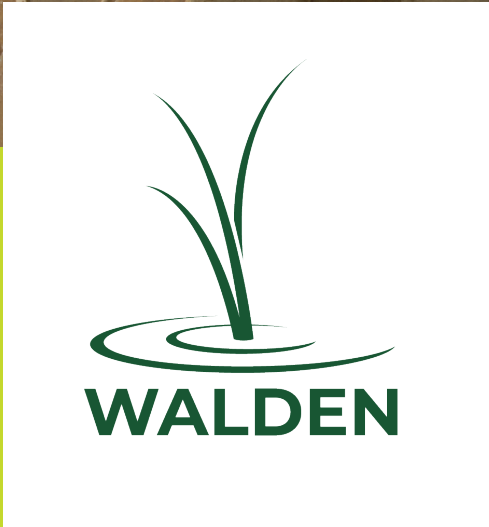
Since that time, Walden has played a key role in providing engineering services to some of the area's most prominent government agencies and private companies.

However, our work is only beginning. Our other offices are growing and positioned to become dominant players in the markets that they primarily serve. As we move full-throttle into the future, Walden will continue to explore emerging markets in areas like renewable energy and champion innovation, all in an effort to provide our customers, and their customers, with the very best in engineering services.

“Our commitment to contributing to the long-term development of entire communities is maintained by focusing on the individual needs of every person our work affects.”

Joseph Heaney III, P.E.
President, Walden Environmental Engineering





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