

## **MICHAEL LIU, P.E.**

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### EDUCATION

M.S. – Environmental Engineering and Water Resources, Cornell University, 2015  
B.S. – Environmental Engineering, Cornell University, 2012

### PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Professional Engineer – New York

### EMPLOYMENT HISTORY

2024 to present – Sevee & Maher Engineers, Inc., Marietta, Georgia, Environmental Engineer  
2018 to 2024 – New York City Department of Environmental Protection, New York, New York,  
Assistant Environmental Engineer and City Scientist I  
2016 to 2018 – Langan Engineering, New York, New York, Staff Engineer III  
2012 to 2015 – Peace Corps, Mbarara, Uganda, Education Consultant

### PROFESSIONAL EXPERIENCE

Mr. Liu has over 8 years of experience in civil and environmental engineering and water resource projects for public- and private-sector clients. He has experience in project management, managing projects through design, construction, and closeout, including updating GIS maps and coordinating closely with clients, municipal departments, and regulatory agencies.

His areas of expertise include environmental investigations and geotechnical inspections; remediation oversight; soil, vapor, and groundwater sampling; and construction oversight for sewer and water main projects. He has performed Phase II Environmental Site Assessments, wastewater and stormwater discharge compliance inspections, and has facilitated drinking water lead testing programs.

Mr. Liu served three years in the Peace Corps in Uganda. He also speaks conversational Mandarin.

Mr. Liu's typical project assignments have included:

#### Public Water Systems:

- Prepared Capital Project Initiation documents for municipal sewer and water main projects throughout all five boroughs of New York City
- Managed approximately 25 sewer and water main projects through the complete project cycle, from project development through design, construction, and close-out phases
- Facilitated the At-The-Tap Free Residential Lead Testing Program for New York City, and
- Coordinated and submitted new funding requests to develop fiscal year proposals for New York City's \$10 billion Bureau of Water and Sewer Operations (BWSO) budget.

#### Site Investigation:

- Led operations, maintenance and monitoring for an air sparge/soil vapor extraction system involving flow optimization, quarterly low flow groundwater sampling, monthly air sampling, and monthly/annual system maintenance
- Implemented environmental and geotechnical inspections for the construction of a FedEx facility in Maspeth, Queens. Geotechnical inspections included backfill/compaction inspections with a nuclear density gauge, foundation pile inspections, strong stone retaining wall inspections and inclinometer readings. Environmental inspections included air monitoring, remediation oversight, soil trucking inspections, worker health and safety air monitoring, and sub-slab depressurization system (SSDS) installation monitoring and inspection
- Coordinated environmental contractors on remedial investigations throughout the Greater New York City area, and
- Created remedial investigation and construction completion reports.

#### Research/Data Analysis:

- Implemented corrosion control research studies in preparation for Long-Term Revisions to the U.S. Environmental Protection Agency Lead and Copper Rule, and
- Prepared monthly water quality reports for public health and environmental regulatory compliance and public awareness.