

ABEL WOLMAN

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EXPERIENCE

Environmental Engineer, AECOM, Evanston, IL

May 2023 - Present

- Help design and permit municipal wastewater treatment upgrades for cities serving 25,000–100,000 residents.
- Coordinate with regulatory agencies and local officials to resolve design issues and meet Clean Water Act and state water-quality requirements.
- Model treatment processes such as activated sludge, membrane bioreactors, and nutrient removal to make sure final effluent meets discharge limits.
- Prepare engineering reports, design summaries, and permit applications for review by senior engineers and regulators.
- Support hydraulic analysis, process design, and compliance checks to ensure projects are ready for construction and permitting.
- Reviewed contractor submittals and responded to field questions during construction to keep projects on schedule.

Environmental Consultant, Arcadis, Evanston, IL

Jun 2020 - May 2023

- Completed Phase I and Phase II Environmental Site Assessments for commercial properties, including former industrial and fuel-handling sites.
- Collected and analyzed soil and groundwater samples following EPA-approved procedures.
- Helped reduce investigation costs by improving sampling plans and data review methods.
- Worked with geologists and remediation teams to support cleanup planning and regulatory compliance.
- Prepared summary tables and figures for reports to make findings easier for clients to understand.

Entry-Level Environmental Engineer, Tetra Tech, Evanston, IL

May 2018 - Jun 2020

- Assisted wastewater treatment plants with process troubleshooting and efficiency improvements.
- Identified aeration and nutrient-removal issues using plant data, dissolved oxygen readings, and SCADA trends.
- Helped maintain 100 percent compliance with NPDES permits by monitoring effluent parameters and documenting any issues.
- Supported daily operations by helping operators resolve process upsets and maintain treatment capacity.

Environmental Engineering Intern, Tetra Tech, Evanston, IL

May 2017 - May 2018

- Assisted with field inspections of water mains, valves, and hydrants.
- Collected water samples for routine testing and recorded results in the city's database.
- Updated distribution system maps and asset records after repairs and replacements.
- Supported the engineering team during small capital projects by organizing drawings, notes, and permit paperwork.

EDUCATION

BSEE, Northwestern University, McCormick School of Engineering and Applied Science

May 2018

SKILLS

- **Modeling:** EPA SWMM, EPANET, HEC-RAS, AERMOD, MODFLOW, GPS Pathfinder Office, QUAL2K
- **Design:** AutoCAD Civil 3D, AutoCAD, Microsoft Visio, BioWin