

# *Springfield Water and Sewer Commission*

## **JOB TITLE: ENGINEER**

The Springfield Water and Sewer Commission (Commission) is seeking highly motivated and energized individuals to join our growing organization as an ***Engineer*** in our Engineering and Technical Services Department in Agawam, MA. The Engineer is a position of responsibility where the engineer actively participates in the day-to-day operations of Commission Engineering and Technical Services (ET&S) Department by assisting other Commission engineers and managers with various tasks, projects and assignments associated with the E&TS Department. The Engineer will receive assignments from senior engineering staff and will report to the Director of Engineering. Assignments will include working on a variety of water and wastewater design and construction projects, as well as studies, assessments, and research of Commission assets and facilities. The Engineer will also support the Commission's operations staff in their responsibilities in operating and maintaining water and wastewater treatment plants, pump stations, collection, and distribution systems.

The water sector is an exciting field and working at the Commission provides the opportunity for career growth, continual learning, and the ability to be a part of solutions to today's most pressing water issues such as infrastructure renewal, climate change resiliency, emerging contaminants, and sustainability. The Commission is the second-largest water and wastewater system in New England and leads and embraces bold initiatives that will reshape the water sector both locally and nationally for the 21<sup>st</sup> century. Recently the Commission was identified as the recipient of a competitive \$251 million federal Water Infrastructure Finance and Innovation Act (WIFIA) loan to accelerate its capital improvement program; a total of \$550 million in infrastructure improvements is planned over the next five years. The Commission was the only recipient identified in New England for the WIFIA program in 2021 and the first in Massachusetts. Projects will include large-scale water and wastewater treatment plant upgrades, hydro-electric generating facilities, distribution and collection system upgrades, transmission infrastructure replacement, and system-wide water conservation projects, among others.

The successful candidate will be attracted to this career-defining opportunity to participate directly in the largest portfolio of water and wastewater infrastructure renewal to take place in

the region in generations. The rewards include the opportunity to impact the future of the Commission's delivery of clean and safe water for decades to come, while providing an invaluable public service to area communities. Excellent pay, competitive benefits, leadership opportunities, and professional growth support are also offered.

**About The Commission:** The Commission was established in 1996 as an independently operated and managed regional water and wastewater utility that provides retail and wholesale water and sewer service to approximately 250,000 customers across multiple communities in the lower Pioneer Valley. Approximately 250 employees operate and maintain a system of one thousand miles of water and sewer pipe, two treatment plants, three reservoirs, 18,000 acres of watershed land, ten dams, and other critical public water infrastructure assets. The Commission's independent governance model allow it to quickly and effectively navigate the many challenges faced by the water sector.

**Mission Statement:** The Commission mission is to provide an uninterrupted, high-quality supply of water to our customers, to collect and treat wastewater, and return clean water to the environment. [www.waterandsewer.org](http://www.waterandsewer.org)

### **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Assist with project design and management for a variety water and wastewater projects.
- Assist with construction management for a variety of water and wastewater projects.
- Assist with hydraulic modeling development and management
- Assist operations crews and observe leak detection, distribution main flushing, transmission, and distribution valve rehabilitation, services, and replacements.
- Assist with various capital project designs including work order development, technical report reviews, and construction document reviews.
- Assist with generation of requests for proposals, specifications, drawings, and other contract documents.
- Assist with general office functions including word processing, document preparation, photo copying, filing, archiving, library organizing, report preparation etc.

- Assist senior staff with tracking and execution of projects utilizing engineering computer applications including Excel, Word, AutoCAD, power point, hydraulic modeling, and GIS, VueWorks, and Springbrook
- Assist with field activities such as dam inspections, pump station inspections, and construction oversight.
- Assist with cost estimating, project scheduling, and progress report preparation.
- Assist with review and approval of new and replacement water and sewer services: this work may include coordination, design, design reviews, installation, and inspection services.
- Respond to questions, requests for information and complaints from customers, property owners, contractors, engineers, and other City Department personnel.
- Perform other related duties as assigned.

**KNOWLEDGE, ABILITIES, AND SKILLS:**

- Knowledge of the principles and practices of Civil and Environmental Engineering as applied to water and wastewater engineering and construction focused on hydraulics of water distribution systems, sanitary sewer collection systems, and storm water systems is preferred.
- Ability to understand and interpret engineering plans and specifications
- Ability to use a computer and associated software and programs for engineering analyses, database management, document preparation, and general information management.
- Ability to perform general civil and environmental engineering calculations
- Ability to perform on-site resident inspection services and resolve conflicts with contractors
- Ability to establish and maintain a positive attitude and work ethic
- Ability to communicate clearly and concisely, both orally and written
- Ability to be flexible in work assignments and work hours
- Ability to work within confined spaces with proper training
- Ability to work with the Department of Public Works, other City Departments and other municipalities or industries serviced by the Commission.

- Ability to interact with traffic control around construction sites
- Ability to maintain physical condition appropriate to the performance of assigned duties and responsibilities which may include walking, standing, or sitting for extended periods of time and operating assigned office and/or field equipment

**EDUCATION AND EXPERIENCE:**

- Bachelor of Science Degree in Civil or Environmental Engineering is required.
- Some experience in the water/wastewater engineering field is preferred.

**LICENSES:**

- Must possess and maintain a valid Driver's License.
- Certification as an Engineer in Training (EIT) is preferred.
- Must obtain and maintain a Grade II Distribution Operator in Training (OIT) License within (3) three years
- Must obtain and maintain a Collection Systems Operator Certificate Grade II within (3) three years

Salary Range for this position is \$55,000 - \$80,000 depending on experience and qualifications

**Qualified candidates should send their resume, cover letter and salary requirements to [jennifer.kerr@waterandsewer.org](mailto:jennifer.kerr@waterandsewer.org).**

**EOE/AA**