

MIDDLESEX WATER COMPANY

- JOB OPENING -

ISELIN, NJ

Job Title: Staff Engineer – RENEW (Distribution System Improvement) Program

Job Summary:

The Staff Engineer provides technical engineering and project management support responsibilities to assure RENEW project goals for scope, budget, and schedule. This position is responsible for coordinating activities of consultants, contractors, and MWC crews/personnel to accomplish project goals.

Work Performed:

1. Planning

- a. Work with senior engineers to provide updates to long range water distribution system improvements plans for established RENEW program. Identify RENEW project areas based on needs, and company objectives, geography, or other factors
- b. Provide assistance and support for the scheduling of the Company's system betterment programs.
- c. Utilize GIS software for identification of system issues, asset evaluation, and/or needs to support long range planning and system betterments.
- d. Familiar with or capable to learn hydraulic modeling software for long range planning and identification of system deficiencies and/or needs.

2. Technical Engineering Services

- a. Provide engineering analysis, calculations, design and permitting for tasks as needed in the support of the Engineering Department. The work can be related to fluid mechanics, hydraulics, structural analysis, soil and corrosively, material design and other related subjects.
- b. Responsible for design tasks of the RENEW project including site plan development, utility coordination, construction technology (industry new technologies) approaches, funding requirements, and other aspects of developing, scoping and bidding work for this program.
- c. Write technical engineering memorandums, summaries, reports, and provides recommendations for use in communicating analysis performed to others and inclusion in Engineering reports.
- d. Assist with the selection and procurement of materials and construction work through the preparation of engineering plans and writing of specification clauses and requirements including, but not limited to, the RENEW specification package.

3. Project Delivery and Management

Provides engineering project management on the RENEW program including:

- a. Activities for the bidding and contract administration of construction contracts.
- b. Project engineering of all aspects of the distribution system improvement and upgrade work for the RENEW program including planning, design and/or construction inspection and project management as needed.
- c. Preparation and submittal of periodic studies and reports as needed.
- d. Assist with the selection and coordination with consulting engineering work as required.
- e. Familiar with or capable to learn Oracle Work and Asset Management system software to initiate, track, and complete project work and purchase orders.
- f. Perform tasks to support the NJEIT Funding/Loan Application process for RENEW and other MSEX projects.

4. Technology

- a. Utilize appropriate software for the efficient and effective implementation of Engineering Support and Project Management duties. This includes Word, Excel, MS Project, CAD, ArcGIS.
- b. Familiar with or capable to be fluent with ArcGIS software for project research and report preparation as needed.
- c. Familiar with or capable to learn hydraulic modeling software for project research and report preparation as needed.

6. Miscellaneous

- a. Provide back-up for department personnel including the Engineering Technician and Engineers.
- b. Take direction from the Senior Engineers and Director of Engineering.
- c. Represent the Engineering Department as a Subject Matter Expert as required in internal group/committee meetings.
- d. Represent the Company at professional and industry meetings.
- e. Perform other duties as may be required by Department needs.

Essential Functions:

- Capability to manage multiple internal and external issues towards successful completion of work.
- Technical abilities for engineering analysis and support.
- Effective communication with customers, staff, peers, superiors including verbal and written communications.
- Physical capability for light lifting.
- Ability to climb and access construction work sites (construction excavations, concrete vaults, and scaffolding).

Qualifications:

- B.S.C.E. or equivalent, required.
- New Jersey Professional Engineer's E.I.T./Fundamentals of Engineering certificate preferred.
- 1-5 year's progressively responsible experience in water utility distribution system planning, design and construction.
- Valid driver's license.
- Good written and oral communication skills.
- Good organization skills.
- Computer (PC) experience, including Word, Excel, Project, PowerPoint, and ArcGIS.
- Good problem solving ability and analytical skills.
- Project management & field construction experience preferred.

You can submit your resume and salary requirements by: e-mail to HRG@middlesexwater.com by fax to 732-638-7667 or by mail to HR Generalist, Middlesex Water Company, 1500 Ronson Road, Iselin, NJ 08830.

No Phone Calls Please.

Candidates must possess authorization to work in the United States.

Middlesex Water Company and its' subsidiaries are an Equal Opportunity Employer.

Candidates must be able to pass a Drug Screen, Pre-employment physical, background check, and have a valid driver's license.