

Jurisdictional Class: Competitive
Adopted: May 6, 2026

ENVIRONMENTAL ENGINEER

DISTINGUISHING FEATURES OF THE CLASS: This an important administrative and professional position involving responsibility for the overall operation and all federal and state regulatory compliance of a wastewater treatment plant. An incumbent for this class is also responsible for general assignments pertaining to municipal environmental duties including planning and supervising engineering activities. Duties are performed under the supervision of the Mayor with leeway allowed for exercise of independent judgement in carrying out the details of the work in accordance with established policies and procedures. Supervision is exercised over Chief Operators of the Water Pollution Control Plan as well as other subordinate staff as designated. The incumbent also monitors the contract performance of the contractor operating the compost facility. The incumbent does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative only)

- Manages and directs key programs including Industrial Pretreatment, Sewer Use Ordinance/Law, hauled waste program, biosolids disposal, Combined Sewer Overflow compliance program, and emergency response implementation in operations management and regulatory compliance;
- Supervises key personnel including Chief Plant Operators and oversees staffing needs such as organizational structure, recruiting strategies, staff development and training, continued certification, counseling and discipline;
- Oversees the daily operations, maintenance, regulatory compliance of municipal drinking water and wastewater systems including the Water Resource Recovery Facility, Water Filtration Plant, well fields, reservoir dams, biosolids disposal operations, and associated infrastructure;
- Oversees the permitting requirements including State Pollutant Discharge Elimination System permits, Combined Sewer Overflow compliance, Multi-Sector General Permits, landfill and sludge lagoon post closure management, and operational permits;
- Designs and prepares plans for wastewater treatment infrastructure within and outside the Water Resource Recovery Facility, including but not limited to the Water Filtration Plant wells and reservoirs. The holder of the position shall affix a professional engineering seal in the form required by the Department of Environmental Conservation, Department of Health, and any other regulatory agency with oversight of facilities;
- Provides strategic planning and oversight for water supply, treatment, and other environmental infrastructure projects. Assists with technical expertise to significant industrial and other industrial contract users of the municipality's water system;
- Acts as a liaison between regulating agencies, contracted engineering firms, and Mayor and/or Common Council for waste treatment and disposal facilities or any other faculties as required.
- Prepares and submits reports and permits as required;
- Develop and manage operational budgets and lead capital planning efforts, asset management strategies, and long-term infrastructure investment planning;
- Coordinates facility repairs, upgrades and improvements;
- Identifies and secures funding sources including grants and state/federal assistance; oversee grant preparation and submission, grant-funded projects and grant administration;
- Manages lead and copper compliance, PFAS/PFOA, and emerging contaminants monitoring.

Environmental Engineer

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL CHARACTERISTICS:

Thorough knowledge of engineering design principles;
Thorough knowledge of procedures involved in the initiation, planning, and development of engineering projects;
Thorough knowledge of legal principles of design and construction liability;
Thorough knowledge of State and Federal regulations dealing with waste treatment;
Thorough knowledge of the biological processes necessary in the treatment of sludge, composting, and wastewater;
Thorough knowledge of operation and maintenance procedures of environmental facilities such as sewer and water distribution and disposal systems;
Ability to plan and supervise the work of others;
Ability to deal effectively and in a cooperative manner with State and Federal regulatory agencies;
Ability to evaluate design and construction contract performance;
Ability to analyze and draft process designs for environmental facilities;
Ability to communicate effectively orally and in writing;
Ability to prioritize and evaluate project feasibility to ensure proper implementation of facility operations;
Sound judgment.

MINIMUM QUALIFICATIONS: Graduation from a regionally accredited or New York State registered college or university with a bachelor's degree in Environmental Engineering, Sanitary Engineering, Civil Engineering, or related engineering field; and/or five (5) years of management and supervisory experience as a licensed Professional Engineer with experience in the design, construction or operation of a wastewater treatment facility and/or water filtration plant.

SPECIAL REQUIREMENT: Applicant must possess a license and current registration to practice as a Professional Engineer in New York State at time of appointment.

NOTE: Your degree must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education. If your degree was awarded by an educational institution outside the United States and its territories, you must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found on the Internet at <http://www.cs.ny.gov/jobseeker/degrees.cfm>. You must pay the required evaluation fee.

NOTE: Assignments made to an employee in this class will require reasonable access to transportation to meet fieldwork requirements in the ordinary course of business in a timely and efficient manner.