

TITLE: ENVIRONMENTAL ENGINEER I (Independent Environmental Monitors - NYC CSO Project)

EMPLOYER: New England Interstate Water Pollution Control Commission (NEIWPC), Boott Mills South, 116 John Street, Lowell, MA 01852-1124.

LOCATION: NYS Department of Environmental Conservation, Brooklyn, NY

SALARY: Grade and Step dependent upon level of experience and qualifications

ADDITIONAL INFORMATION: Benefits provided but not included in salary range: vacation, personal and sick leave, health, dental and life insurance, retirement plan. This position requires the incumbent to work five days a week, 7.5 hours per day, except for approved compensatory time.

BACKGROUND INFORMATION: The New England Interstate Water Pollution Control Commission serves as a forum for interstate communication and coordination on water related pollution control efforts among all the New England States and New York State.

SUPERVISORY CONTROLS: Incumbent must be able to work independently with minimal supervision but all policy interpretation and other official actions will be done through the Director, Bureau of Water Compliance. Job performance is evaluated by the Director, Bureau of Water Compliance and Susan Sullivan, Deputy Director, NEIWPC.

JOB SUMMARY: The incumbent will work closely with and report to the Director, Bureau of Water Compliance in monitoring the progress and reviewing and commenting on New York City's efforts to implement capital projects required by the New York City Amended Consent Order (ACO). ACO projects include large regional CSO abatement facilities, sewer separation and sewage treatment plant upgrades. The individual will be expected to do office review of plans and specifications for compliance with 10 state standards and NYS DEC rules and regulations; field inspections for progress and final acceptance; attend periodic progress meetings; and attend and participate in various program and administrative meetings. Frequent travel to New York City for meetings and site inspections.

DUTIES AND RESPONSIBILITIES:

1. Will review all activities required under the ACO and report on compliance issues to the Director, Bureau of Water Compliance.
2. Review plans and design specifications for combined sewage overflow (CSO) collection systems and regional treatment facilities and CSO related sewage treatment plant upgrades.
3. Review reports, studies and analytical data, including those associated with the construction and operation of sewage collection and/or treatment facilities.
4. Write memoranda, letters and technical or general reports and make recommendations regarding engineering matters including construction inspection reports.
5. Analyze changes in scope of work during design and/or construction of projects dealing with recommended corrective action.
6. Conduct field investigations of proposed construction projects and make construction site inspections with subsequent reports of concerns to New York City.

7. Recommend modifications to plans and specifications. Review applications and make recommendations for water quality permits according to relevant laws, rules, regulations, policies and procedures.
8. Perform related duties such as attending planning and design meetings, pre-bid and post-bid meetings, construction progress meetings, public information meetings, compliance conferences, and other meetings as requested by NYS DEC, NEIWPCC and/or New York City.

The satisfactory performance of the above duties and responsibilities requires the incumbent to have a thorough understanding of the NEIWPCC's and the NYSDEC programs, organization, and policies, to exercise initiative and resourcefulness in complicated situations, and to be able to work effectively with state and federal contacts at both staff and top management levels, and with varied professional backgrounds. The ability to organize workload, and perform tasks in an accurate, conclusive and timely manner is required.

RECOMMENDED QUALIFICATIONS:

Education

An Associate of Science Degree in Environmental or Civil Engineering.

Experience

Applicants must have at least (A) three years of full-time, or equivalent part time, technical or professional experience, of which (B) at least one year must have been in a professional capacity or, (C) any equivalent combination of the required experience and the following substitutes.

Substitutions:

- I. A Bachelor's Degree with a major in the field of environmental engineering, civil engineering or public health engineering may be substituted for a maximum of two years of the required (A) experience.*
- II. A Graduate Degree with a major in environmental engineering, civil engineering or public health engineering may be substituted for a maximum of three years of the required (A) experience and one year of the required (B) experience.*

* Education toward such a degree will be prorated on the basis of the proportion of the requirements actually completed.

NOTE: Education substitutions will only be permitted for a maximum of one year of the required (b) experience. No substitutions will be permitted for the required (C) experience.

Special Knowledge and Skills

Knowledge of wastewater collection and treatment plant engineering design and operation practices.
Knowledge of wastewater collection and treatment plant construction practices.
Knowledge of USEPA and NYSDEC water rules and regulations.
Knowledge of 10 States Standards.
Experience and capability in working with state and local water/wastewater agencies.