

TITLE: ENVIRONMENTAL ENGINEER I

EMPLOYER: New England Interstate Water Pollution Control Commission (NEIWPCC) Wannalancit Mills, 650 Suffolk Street, Suite 410, Lowell, MA 01854.

LOCATION: New York State Department of Environmental Conservation (NYS DEC), Region 2, 1 Hunter's Point Plaza, 47-40 21st Street, Long Island City, NY 11101-5407

SALARY: Grade & Step dependent on level of experience and qualifications.

ADDITIONAL INFORMATION: Benefits provided but not included in salary range: vacation, personal and sick leave, health, dental, disability and life insurance, retirement plan. This position requires the incumbent to work five days a week, 7 ½ hours per day, except for approved compensatory time.

BACKGROUND INFORMATION: The New England Interstate Water Pollution Control Commission (NEIWPCC) 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. This position is established pursuant to the 2005 CSO Order on Consent between the New York Department of Environmental Conservation and the New York City Department of Environmental Protection, but is governed by an agreement between the New England Interstate Water Pollution Control Commission and the New York City Department of Environmental Protection. Under that agreement, DEP is required to retain an Independent Environmental Monitor (IEM) to provide monitoring services. NEIWPCC was selected to provide those services.

In 2015 NYSDEC issued DEP a Municipal Separate Storm Sewer System ("MS4") permit, under which DEP has agreed to allow an IEM to perform certain tasks to assist NYSDEC in monitoring DEP's work under that permit. In 2016, NYSDEC and DEP entered into an Omnibus Order ("Omni Order") that contains additional provisions for IEM requirements. The Omni Order requires DEP to retain an IEM to provide monitoring services for certain construction required under the Order. NEIWPCC already provides IEM services for CSO and BNR work.

SUPERVISORY CONTROLS: Incumbent operates with some independence of action and delegation of professional decisions within his or her area of activity. This position is contained within the Division of Water within the NYSDEC. This engineer serves under the supervision of the Deputy Regional Water Engineer in Long Island City. Job performance is evaluated by Selvin Southwell, P.E., Deputy Regional Water Engineer (NYSDEC) Region 2, and in consultation with the NEIWPCC Project Manager.

Incumbents of positions at this level may exercise direct supervision (i.e., not through an intermediate level supervisor) over, assign work to, and review the performance of 1-5 technical or professional personnel; may exercise indirect supervision (i.e., through an intermediate level supervisor) over 6-15 technical or other personnel.

JOB SUMMARY: The Environmental Engineer (EE) will conduct monitoring services for the MS4 and Omni Order. Under the supervision of the Deputy Regional Water Engineer, the EE will focus on site inspections, meeting with local governments and coordinate with DEC's New York City (Region 2) water and Central Office permits and compliance staff.

DUTIES AND RESPONSIBILITIES

MS4 Permit:

- Become familiar with the City's MS4 permit and NYSDEC's Construction General Permit ("CGP") and Multi-Sector General Permit ("MSGP") programs, and with the DEP WWTP SPDES permits provisions that are applicable to the City's MS4 permit (e.g. shoreline survey and outfall identification, dry weather discharge program, floatables control, catch basin inspection and maintenance)
- Assist with transition of CGP and MSGP to the City (meetings, facilitate transfer of information)
- Facilitate training of City personnel on CGP and MSGP programs
- Perform inspections of MSGP facilities and prepare site inspections reports with corrective action recommendations, if necessary.
- Coordinate and attend quarterly meetings and prepare meeting minutes with action items
- Track all action items resulting from progress meetings and all correspondence between DEP and NYSDEC regarding Storm Water Management Program ("SWMP") development and related matters
- Coordinate with CSO Monitors on MS4 related aspects of the LTCs
- Coordinate and attend quarterly meetings and prepare meeting minutes with action items
- Track all action items resulting from progress meetings and all correspondence between DEP and NYSDEC regarding SWMP development and related matters
- Attend and participate in public meetings on progress reports provide/coordinate the Department's responses to public comments
- Review progress reports and provide comments (internally)
- Review and provide comments (internally) on interim reports due prior to SWMP (e.g. interim floatables media campaign; MSGP inspection program development)
- Review SWMP plan and coordinate DEC comments and approval of SWMP Plan components
- Review NYC's Construction/Post-Construction Stormwater Lot Size Threshold Study Report & participate in meetings and all aspects related to the implementation of the study's recommendations
- Review SWMP implementation annual reports and provide comments (internally)
- Assist with drafting of NYC MS4 renewal permit

Omnibus Order Compliance:

- Review all submissions under Appendix B to the Omni Order for accuracy and responsiveness
- Review and recommend for DEC approval, plans and specifications submitted by DEP as required by Appendix B to the Omni Order
- Schedule and participate in informational meetings related to Appendix B to the Omni Order
- Maintain records and reports of all monitoring and compliance activities, including quarterly reports. Distribute information to the City's technical, legal and administrative staff as appropriate

- Attend quarterly progress meeting
- Monitor compliance with all applicable laws, rules and regulations as they directly pertain to the construction activities set forth in Appendix B to the Omni Order.

The satisfactory performance of the above duties and responsibilities requires the incumbent to develop a thorough understanding of NEIWPC's and NYSDEC's 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 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

A bachelor's degree in environmental or civil engineering, or related field.

License

Must have a New York State Professional Engineer's license and current registration, and two years of full-time experience in professional environmental engineering*, or possession of a professional engineer's license and current registration from a State or Territory of the United States by means of a 16-hour written licensing examination which is the equivalent of that given in New York State. Candidates appointed under this option must secure a New York State professional engineer's license and registration prior to appointment.

*Professional environmental engineering experience is defined as the application of engineering principles in identifying and solving engineering problems related to protecting and remediating air, land, and water resources.

Experience

Applicants must have at least (A) three years of full-time or equivalent part-time, technical or professional experience in the field of environmental or civil engineering, 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 substitutions.

Substitutions

- I. An associate's degree with a major in any of the fields listed above may be substituted for a maximum of one year of the required (A) experience.*
- II. A bachelor's degree with a major in any of the fields listed above may be substituted for a maximum of two years of the required (A) experience.*
- III. A graduate degree with a major in one of the fields listed above 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

Experience with operation of wastewater treatment utilities and facility reconstruction preferred
Experience with SPDES permits compliance action preferred
Experience with the SPDES General Permit for stormwater discharges from MS4s (GP-0-15-003) a plus
Experience with SPDES inspection process/procedures preferred
Experience and capability in working with state and local water/wastewater agencies
Excellent communication skills, both verbal and written
Excellent organizational skills
Ability to work both independently and as part of a team
Excellent computer skills
Ability to work with federal, state and local officials

Environmental Factors

Duties are performed in the field as well as in an office setting, but with need for travel to adjoining states. Evening and weekend duty may be necessary. Some confrontational meetings with interest groups may occur, which will require good human relations skills and an ability to practice effective public participation techniques.

Requirements

Possession of a current and valid Motor Vehicle Operator's License is required.
Attendance in the Lowell, MA office for a one day orientation during the first two weeks of employment and at the annual All Staff Meeting is mandatory.