TITLE: ENVIRONMENTAL ANALYST

EMPLOYER: NEIWPCC, Wannalancit Mills, 650 Suffolk Street, Suite 410, Lowell, MA 01854

LOCATION: NYS Department of Health, Capital Region - Empire State Plaza, Corning Tower, Albany, New York 12237

SALARY: Grade and step dependent on 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 Monday through Friday, 7.5 hours per day, except for approved compensatory time. The position is financially supported by a contract between New York State and NEIWPCC that expires on August 31, 2023.

BACKGROUND INFORMATION: NEIWPCC is a regional commission that helps the states of the Northeast preserve and advance water quality. We engage and convene water quality professionals and other interested parties from New England and New York to collaborate on water, wastewater, and environmental science challenges across the regions, ecosystems, and areas of expertise.

The primary goal of the next generation of Source Water Protection in New York State is to develop and implement source water protection measures for public water systems throughout the State. Source water protection strategies are most effective when implemented at the local community level. As such, NEIWPCC professionals will team with staff from NYSDOH.

JOB SUMMARY: Implement various source water and drinking water assessment, protection, sampling and treatment programs, including support to public water systems and local municipalities for developing new and updating existing Source Water Assessment and Protection Plans (SWAPPs). The incumbent will coordinate directly with regional NEIWPCC staff based in the four NYSDOH Regional Offices (Metropolitan, Capital, Central and Western) on these matters. Incumbent may also provide technical assistance to water suppliers, regional environmental health staff, and local health department staff on source water protection strategy implementation and water sample collection and analytical testing for physical, biological, radiological and chemical contaminants.

DUTIES AND RESPONSIBILITIES:

- Conduct, or oversee the conduct of, investigations on matters such as source water assessment and protection, water storage, treatment and distribution, wastewater treatment and discharge, point-source and non-point source pollution, permitting, or other compliance and regulatory issues.
- Develop source water protection plans, update SWAPs, collect, or oversee the collection of, environmental samples for analysis, and summarize, evaluate, and present environmental information and data.
- Work as a team with other NEIWPCC and NYSDOH staff but conduct outreach and engage with local stakeholders individually to complete source water protection plans.
- Collect and use local data to construct and execute groundwater flow models and use output data from models to help communities make informed decisions about their drinking water sources.
- Translate model outputs (e.g. groundwater discharge, groundwater levels, and simulated water budgets).
- Develop written materials to provide guidance and training for local municipalities, governmental and non-governmental agencies, and local health departments (LHDs) on source water protection strategies and implementation.
- Provide support for associated programs by implementing procedures and performing sampling and testing to ensure compliance.
- Develop concise and coherent multi-media documents for communicating program activities and accomplishments (both internal to NYSDOH and external to other agencies, interested parties, and the public).
- Other duties as assigned by supervisor.

SUPERVISORY CONTROLS: Incumbent operates with some independence of action and delegation, and under the general supervision of the NEIWPCC Environmental Analyst III (based in Central Office – Albany NY), who provides instruction on new work, guidance and review of completed work to assure accuracy and adherence to established policy and requirements. Job performance is evaluated by the NEIWPCC Program Manager based in the NYSDOH Central office, in consultation with the NEIWPCC Project Manager based at NEIWPCC Headquarters in Lowell, MA.

Based on assignment, 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; and/or may exercise functional supervision (i.e., over certain but not all work activities, or over some or all work activities on a temporary basis) over 1-5 technical or professional personnel.

RECOMMENDED QUALIFICATIONS:

Education
A bachelor's degree in environmental engineering, earth science, geology, hydrogeology, hydrology, mathematics/statistics.

Experience
Applicants must have at least (A) three years of full-time, or equivalent part time, technical or professional experience in the fields referenced above or related field, 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 above may be substituted for a maximum of two years of the required (A) experience. *
III. A graduate degree with a major in any of the fields above may be substituted for a maximum of three years of the required (A) experience and one year of the required (B) experience. *

*Education towards such a degree will be prorated on the basis of proportion of the requirements actually completed.
Special Knowledge and Skills

- Knowledge and understanding of state and federal environmental regulations
- Knowledge of Safe Drinking Water Act and SWAP programs
- Knowledge of hydrology and geochemistry
- Field experience related to groundwater investigations
- Experience constructing and using numerical groundwater flow models
- Knowledge of fate and transport or contaminant modeling
- Experience with Groundwater Vistas/MODFLOW is preferred
- Excellent communication skills, both verbal and written
- Excellent organizational skills
- Ability to work both independently and as part of a team
- Excellent computer skills, including with Geographical Information Systems (GIS)
- Ability to follow oral and written instructions
- Ability to maintain accurate records

Personal Characteristics

- Think and act in a broad collaborative style. Care deeply about the health and impact of the entire organization.
- Comfortable in group settings and welcomes collaboration
- Naturally prone to action with a focus toward continuous improvement
- Diplomatic and welcoming in his/her approach to others
- Able to manage change and articulate the “value case” for it
- Comfortable working in a very collaborative environment and oriented toward getting things done; able to bring perspectives and ideas to the table while remaining open to perspectives and ideas from others. Open to lively debates.
- Inclusive and interested in helping others
- Capable of fostering and deserving of trust
- Accept responsibility and is accountable for results
- Able to write concisely, to express thoughts clearly and to develop ideas in logical sequence

Environmental Factors

Duties will be performed largely in an office setting, but with need for travel.

Requirements

- A valid driver's license and access to own transportation required.
- Attendance in the Lowell office during the first two weeks of employment for orientation and attendance at the annual All Staff Meeting are mandatory.