

**TITLE:** ENVIRONMENTAL ANALYST

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

**LOCATION:** Rhode Island Department of Environmental Management, 235 Promenade Street, Providence, RI

**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, 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. This is a temporary position that will last approximately 15 months, with a possibility of an extension beyond that time.

**BACKGROUND INFORMATION:** The New England Interstate Water Pollution Control Commission (NEIWPC) 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 operates with substantial independence of action and delegation of professional decisions within his or her area of activity. Job performance is evaluated by the Deputy Chief of the DEM Office of Water Resources, in consultation with the NEIWPC Project Manager.

**JOB SUMMARY:** In collaboration with the RI Department of Environmental Management Office of Water Resources, the incumbent will be responsible for completing draft nutrient criteria for Rhode Island's freshwater lakes and ponds and advancing the development of nutrient criteria for Rhode Island's rivers and streams, including preparing a river sampling program.

**DUTIES AND RESPONSIBILITIES:**

- Review current EPA guidance, state of science, and neighboring state approaches on nutrient criteria for freshwaters.
- Gather relevant data on lakes and ponds.
- Prepare a Quality Assurance Project Plan (QAPP) for use of secondary data and a data analysis plan.
- Perform statistical analyses and use in development of draft lake nutrient criteria.
- Prepare technical support document to summarize and explain analyses relied upon to arrive at recommended draft criteria.
- Gather relevant data on rivers and streams.
- Develop recommended approach for development of nutrient criteria for rivers and streams.
- Develop sampling plan and QAPP for necessary monitoring in rivers and streams.
- Characterize rivers and streams to support refined classification of these waterbodies for nutrient criteria development purposes.
- Participate in project meetings with DEM staff and other resource persons;
- Prepare quarterly progress reports.
- Other duties, as assigned.

The satisfactory performance of the above duties and responsibilities requires the incumbent to have a thorough understanding of the NEIWPC's and RI DEM programs, organization, and policies, to exercise initiative and resourcefulness in complicated situations, and to be able to work effectively with

state personnel and partners. The ability to organize workload, and perform tasks independently in an accurate, conclusive and timely manner is required.

## **RECOMMENDED QUALIFICATIONS:**

### **Education**

A Master's Degree in environmental science, biology, or related field preferred.

### **Experience**

Applicants must have at least (A) five years of full-time, or equivalent part-time, technical or professional experience in the field of environmental science, biology, chemistry, limnology, earth science, environmental health, natural science, toxicology or public health, of which (B) at least three years must have been in a professional capacity, and of which (C) at least one year must have been in a supervisory, managerial or administrative capacity, or (D) any equivalent combination of the required experience and the following substitutions.

### **Substitutions:**

- I. An Associate's Degree with a major in the field of environmental science, biology, chemistry, limnology, earth science, or natural science may be substituted for a maximum of one year of the required (A) experience.\*
- II. A Bachelor's Degree with a major in the field of environmental science, biology, chemistry, limnology, earth science, or natural science may be substituted for a maximum of one year of the required (A) experience.\*
- III. A Graduate Degree with a major in environmental science, biology, chemistry, limnology, earth science, natural science may be substituted for a maximum of three years of the required (A) experience and one year of the required (B) experience.\*

NOTE; Education toward any degree will be prorated on the basis of proportion of the requirements actually completed.

### **Special Knowledge and Skills**

- Knowledge and experience with water quality and nutrient pollution issues.
- Knowledge of the Clean Water Act.
- Knowledge of Water Quality Standards, including nutrient criteria.
- Extensive experience with use of statistics
- Strong team player with ability to work independently.
- Excellent communication skills, both verbal and written.
- Excellent organizational skills
- Ability to work effectively with scientists, managers and general public.
- Excellent computer skills.

### **Environmental Factors**

Duties will be performed largely in an office setting, but with need for limited local and regional travel to participate in related meetings for which a valid driver's license and private transportation must be available. There may be a need for travel to one or more national meetings.