

Environmental Analyst III-DWPP/WPP QA Analyst - (18000791)

Description

The Massachusetts Department of Environmental Protection (MassDEP) is the state agency responsible for ensuring clean air and water, the safe management of toxics and hazards, the recycling of solid and hazardous wastes, the timely cleanup of hazardous waste sites and spills, and the preservation of wetlands and coastal resources.

MassDEP seeks applicants for the position of Environmental Analyst III within the Bureau of Water Resources (BWR). BWR works to ensure that inland and coastal waters are monitored and protected for their designated uses, such as drinking water, aquatic life, recreation, fish consumption, shellfishing, aesthetics, and agricultural and industrial uses. This position will be based in MassDEP's Central Regional Office in Worcester, MA and will be responsible for quality assurance and control for monitoring data collected by the Watershed Planning Program (WPP), as well as for ensuring that all data used by the program meet quality standards. Quality-controlled chemical and biological data generated by multiple partners throughout the Commonwealth are used in making Clean Water Act (CWA) s. 305(b) and s. 303(d) decisions, which are reported every two years to EPA.

Specific duties for this position include, but are not limited to, the following:

- Overseeing WPP's QA/QC program, including the development, maintenance and updating of WPP's program Quality Assurance Project Plans (QAPPs) and Standard Operating Procedures (SOPs)
- Review and approve of WPP's annual sampling & analysis plans, in coordination with WPP monitoring staff
- Analysis and interpretation of QA/QC data, including the preparation of WPP technical memoranda and reports related to QA/QC
- Manage documentation of QA/QC activities, including the identification of data quality deficiencies and recommendation of corrective actions
- Participating in DEP's QA team and BWR QA activities as requested, and coordination with EPA Region 1 QA staff
- Review and validation of WPP's monitoring data, in coordination with WPP database management staff
- Management of the WPP database for formal, controlled documents
- Performing instrument calibrations and programming, and laboratory analyses as required
- Providing training to WPP staff on various aspects of the quality system
- Conducting field and laboratory audits for WPP and outside monitoring activities, and coordinate the planning and implementation of data comparison studies between WPP and external groups
- Developing and maintaining close working relationships with and understanding of the WPP monitoring program and procedures in order to provide backup support including participation in field surveys and related work
- Establish contacts and coordinate with external data groups that generate environmental data/information, communicate WPP's data needs to them, contact them as needed to exchange data/information, attend group meetings, and update WPP's directory of potential external data sources
- Review and approve non-DEP (external/outside) QAPPs and SOPs for proposed data collections
- Provide training to monitoring groups in monitoring techniques and QA/QC practices, update QA guidance documents for external groups, including informational materials and DEP internet content, and coordinate and attend statewide and/or regional volunteer monitoring summits
- Coordinate the solicitation, receipt and review of external data submittals with respect to overall quality and usefulness to WPP and perform web searches for existing outside data that has already been collected
- Coordinate the management, use and maintenance of an existing WPP database for external data submitted to DEP for use in waterbody health assessments

Preferred Qualifications at Hire:

- Knowledge of State and Federal requirements and guidelines related to Quality Assurance and Control

- Working knowledge of quality assurance/quality control measures associated with environmental sampling and analysis
- Experience with environmental sampling, field and laboratory quality control methodologies, laboratory analyses, and use of laboratory equipment for water quality testing
- Experience working with environmental datasets, including basic database development, data analysis and interpretation of physical, chemical and biological data and their relationship to water quality regulations
- Working knowledge of watershed management principles and practices
- Knowledge of aquatic chemistry, ecology and water pollution biology
- Knowledge of the Federal Clean Water Act, Massachusetts Water Quality Standards, regulations and environmental policy
- Experience related to Clean Water Act compliance, including Sections 303(d) and 305(b)
- Ability to prepare technical reports/memos and communicate effectively, both orally and in writing, the results of scientific investigations
- Ability to work independently, as well as with other environmental professionals, occasionally on irregular schedules
- Working knowledge of Microsoft Office software including Excel, Word, PowerPoint, Outlook and Access, including the preparation of charts, graphs and tables
- Strong organizational and communication skills, including written, verbal and experience working with the public
- Ability to exercise considerable tact and diplomacy
- Effective leadership and business management skills

Qualifications

First consideration will be given to those applicants that apply within the first 14 days.

MINIMUM ENTRANCE REQUIREMENTS: Applicants must have at least (A) four years of full-time, or equivalent part-time, technical or professional experience in the field of environmental science, biology, chemistry, earth science, environmental health, meteorology, natural science, toxicology or public health, of which (B) at least two years must have been in a professional capacity, or (C) any equivalent combination of the required experience and the substitutions below.

Substitutions:

I. An Associate's degree with a major in the field of environmental science, biology, chemistry, earth science, environmental health, meteorology, natural science, toxicology or public health 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, earth science, environmental health, meteorology, natural science, toxicology or public health may be substituted for a maximum of two years of the required (A) experience.*

III. A Graduate degree with a major in the field of environmental science, biology, chemistry, earth science, environmental health, meteorology, natural science, toxicology or public health 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: Educational substitutions will only be permitted for a maximum of one year of the required (B) experience.

An Equal Opportunity / Affirmative Action Employer. Females, minorities, veterans, and persons with disabilities are strongly encouraged to apply.

Official Title: Environmental Analyst III

Primary Location: United States-Massachusetts-Worcester - 8 New Bond St

Job: Science

Agency: Department of Environmental Protection

Schedule: Full-time

Shift: Day

Job Posting: Nov 7, 2018, 3:20:24 PM

Number of Openings: 1

Salary: 60,878.48 - 88,294.18 Yearly

If you have Diversity, Affirmative Action or Equal Employment Opportunity questions or need a Reasonable Accommodation, please contact Diversity Officer / ADA Coordinator: Michelle Waters-Ekanem - 617-292-5751

Bargaining Unit: 09-MOSES - Engineers/Scientists

Confidential: No