

## **Environmental Analyst V- Section Chief - (180007A1)**

### **Description**

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

MassDEP seeks applicants for the position of Environmental Analyst V within the Bureau of Water Resources (BWR). The Bureau of Water Resources Watershed Planning Program (WPP) is charged with achieving the goals of the Federal Clean Water Act (CWA) including timely updates to Surface Water Quality Standards (WQS) (314 CMR 4.00).

This position will be based in MassDEP's Central Regional Office, Worcester, MA and will serve as the Section Chief for WQS. The Section Chief will oversee the management of WQS activities (314 CMR 4.00). This includes identifying and resolving issues, coordinating technical input for triennial reviews, enhancing and maintaining the waterbody inventory, answering standards-related questions and coordinating standards issues both within WPP, MassDEP and externally and providing administrators input to enhance the ability of Massachusetts to achieve the goals of the Federal CWA. The Section Chief will manage staff to ensure consistency of standards interpretations and work to ensure that the WQS are clear, accurate and effective in meeting MassDEP's environmental goals. The Section Chief is responsible for ensuring that water quality standards are managed in accordance with US EPA guidelines and requirements (40 CFR131), as well as agreements that are developed through the Region 1 EPA/MassDEP Performance Partnership Agreement. The applicant will guide and represent MassDEP/BWR/DWM/WPP interests and participate as appropriate in WQS related workgroups (e.g., NEIWPC, NAB, EPA, USGS) while keeping management updated on new developments.

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

1. Assign projects to and oversee section staff (developing annual workplans, performance reviews)
2. Interpret Clean Water Act (CWA) including 40 CFR Sections 122, 131, 230, 232 in relation to 314 CMR 4.0;
3. Assist in guiding WPP monitoring strategy needed to support standards development;
4. Develop criteria (biological, physical, chemical) that specify frequency, magnitude and duration thresholds for evaluating water-borne pollutant concentrations in both fresh and marine environments;
5. Develop and interpret field and laboratory toxicity testing methods and protocols;
6. Coordinate with assessment section on methods to assess water quality that conform to the WQS; make recommendations where appropriate;
7. Assist in standards interpretation in making water use attainment decisions (including CWA Sections 303(d) and 305(b) of the CWA);
8. Work with MassDEP wastewater permitting staff to ensure that permits are written to ensure attainment of standards;
9. Interpret complex biological, chemical, and physical data sets using statistical methods of analysis as appropriate;
10. Monitor, review and comment on the development of federal rules, criteria, guidance and regulations related to WQS;
11. Coordinate with EPA on issues of concern including nutrient criteria development, ambient water quality criteria for a variety of pollutants, for D.O., temperature and bacteria, as well as other criteria;
12. Participate in WQS related workgroups in the NEIWPC, NEB, EPA, USGS, update management as appropriate on new developments;

13. Coordinate and interact with sister agencies where appropriate on WQS 314 and CMR 4.00 issues and regulations that overlap— DFG, DMF, DCR, DPH;
14. Address internal/external questions related to WQS interpretations, when necessary work with the Office of General Council (OGC);
15. Provide timely guidance to requests from the public for information and clarification;
16. Review WQS and assist in developing plan for triennial review, manage schedule and coordinate technical and legal reviews;
17. Provide technical recommendations and plan to support triennial WQS reviews;
18. Manage and oversee program staff and guide activities on the WQS Inventory Project; and
19. Oversee the management of all WQS-related documentation including paper and electronic files (Historical records, Mass policy and standards (Antidegradation, CSO, Toxics, Mixing Zones, Thermal, Nutrients)) in an organized file system.

Preferred Qualifications at Hire:

1. Knowledge of the Clean Water Act (CWA) and 40 CFR Sections 122, 131, 230, 232;
2. Knowledge of the Water Quality Standards and the requirements involved with making water use attainment decisions (including CWA Sections 303(d) and 305(b) of the Clean Water Act);
3. Ability to evaluate and provide guidance to characterize biological, chemical and physical interactions of pollutants with aquatic organisms in freshwater and marine systems;
4. Experience reviewing and interpreting EPA criteria guidance documents for aquatic life and human health;
5. Experience developing criteria and policy guidance (biological, physical and chemical) that specifies frequency, magnitude and duration thresholds for evaluating water-borne pollutant concentrations in both fresh and marine environments;
6. Experience in the development and interpretation of field and laboratory toxicity testing methods and protocols;
7. Experience in utilizing data systems, GIS, and web-based applications to meet staff needs and to inform the public;
8. Ability to interpret complex biological, chemical, and physical data sets and statistical methods of analysis;
9. Strong and effective writing, editing, and oral communication skills, including ability to successfully convey complex issues to peers and management, through writing, editing, and oral presentations;
10. Demonstrated supervisory skills and ability to work as part of an administrative team;
11. Experience in team-building, team management, and project management;
12. Demonstrated background in and commitment to quality assurance/ quality control principles;
13. Ability to understand section outputs and the steps needed to produce them;
14. Ability to convey information to inform EPA, MassDEP, local government, and the general public about water quality concerns;
15. Proficient in the preparation of charts, graphs, and tables;
16. In-depth knowledge of the principles and practices of environmental protection and restoration;
17. Strong working knowledge of the watershed science;
18. Ability to set timelines and identify tasks to deliver desired outcomes; and
19. Strong organizational skills; both with data/information and time.

**Qualifications**

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

MINIMUM ENTRANCE REQUIREMENTS: Applicants must have at least six 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 four years must have been in a professional capacity, and of which (C) at least two years 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, 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 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. No substitutions will be permitted for the required (C) experience.

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

**Official Title:** Environmental Analyst V

**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, 3:20:51 PM

**Number of Openings:** 1

**Salary:** 71,450.34 - 104,277.94 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 - 627-292-5751**

**Bargaining Unit:** 09-MOSES - Engineers/Scientists