

**CLASS TITLE: ENVIRONMENTAL ENGINEER III**

**Class Code: 02900400**

**Pay Grade: 34A**

**EO Code: B**

**CLASS DEFINITION:**

**GENERAL STATEMENT OF DUTIES:** To be responsible for the most advanced and complex environmental engineering work within a section or unit; to plan, assign, oversee, and review environmental engineering reviews, inspections, field work, data entry, and reporting of one or more employees assigned on a project basis; to review and analyze a wide variety of data, both directly and as summarized by assigned project staff; to continuously improve business processes within the assigned program by regularly analyzing work flow, standard operating procedures, policies and regulations to ensure efficient, effective, and consistent decision making; to determine and ensure compliance with State and Federal environmental protection regulations; and to do related work as required.

**SUPERVISION RECEIVED:** Works under the general supervision of a superior with considerable latitude for the exercise of initiative and independent judgment; work is subject to review through consultations and submitted reports for conformance with established policies and objectives and accepted environmental engineering methods and techniques.

**SUPERVISION EXERCISED:** As assigned and on a project basis, to plan, assign, oversee and review the work of one or more employees engaged in environmental engineering reviews, inspections, field work, data entry, and reporting.

**ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:**

To be responsible for the most advanced and complex environmental engineering work within a section or unit.

To plan, assign, oversee, and review environmental engineering reviews, inspections, field work, data entry, and reporting of one or more employees assigned on a project basis.

To review and analyze a wide variety of data, both directly and as summarized by assigned project staff.

To continuously improve business processes within the assigned program by regularly analyzing work flow, standard operating procedures, policies and regulations to ensure efficient, effective, and consistent decision making.

To determine and ensure compliance with State and Federal environmental protection regulations.

To track and maintain metrics and reports on the workload and performance of assigned projects.

To coordinate and promote effective communication among program staff within the department.

To coordinate with the Environmental Protection Agency or other government agencies on the implementation of policies and regulations.

To review and analyze environmental samples including but not limited to groundwater, soils, surface water, wastewater, drinking water, stormwater, sewage, and air.

To manage all activities related to the most complex/high priority projects including sampling, analysis, review, and communication with both internal and external persons.

To determine the quality and safety of soils, water, and air according to program policies, objectives, and regulations

To develop, review, and implement remedial corrective actions of impaired water, soil, or air within the State.

To develop, prepare and review permits, letters, enforcement actions, reports, engineering plans, and other materials related to source pollution or threats, drinking water and/or public pool water quality.

To communicate with supervisors, peers, applicants, stakeholders, responsible parties, government officials, and members of the public about the status, process, and objectives of projects and/or activities.

To analyze and interpret environmental monitoring data and information related to the status of projects and activities.

To supervise the preparation of testimony and presentations for hearings and public forums and, as assigned, to actively participate in and represent the program in such matters.

To assist in the promulgation, development, and implementation of environmental regulations.

To do related work as required.

## **REQUIRED QUALIFICATIONS FOR APPOINTMENT:**

**KNOWLEDGE, SKILLS AND CAPACITIES:** A thorough knowledge of the principles, practices and techniques of environmental engineering as they relate to drinking water and wastewater treatment, surface water, drinking water and storm water pollution control, air pollution control, waste management, environmental remediation, and/or pollution prevention; advanced knowledge of Bacteriology and Chemistry as they apply to behavior and control of pollutants and contaminants in various environmental media; the ability to read and interpret the most complex engineering plans and specifications; the ability to provide advanced consultation and guidance to local planning boards, federal and state agencies, municipal and town officials, and representatives of industry regarding various environmental engineering programs; the ability to perform environmental engineering field investigations of differing complexity levels; the ability to use common word processing, spreadsheet, email, presentation, and data management applications; the ability to provide opportunities for professional development, promote strong customer service, and encourage innovation and improvement; the ability to apply accepted engineering principles and regulatory requirements to solve the most complex environmental problems consistent with program policies, objectives, and regulations; the ability to effectively and efficiently lead employees assigned to environmental engineering projects; and related capacities and abilities.

## **EDUCATION AND EXPERIENCE:**

Education: Possession of a bachelor's degree in Environmental Engineering, Civil Engineering, Chemical Engineering or a related science field; and

Experience: A minimum of five (5) years of employment in a professional engineering capacity in an environmental engineering organization.

Or, possession of a master's degree in Environmental Engineering, Civil Engineering, Chemical Engineering or a related science field and a minimum of three (3) years of employment in a professional engineering capacity in an environmental engineering organization.

**SPECIAL REQUIREMENTS:** At the time of appointment, must possess at least an Engineer-in-Training certificate of registration issued by the Rhode Island State Board of Professional Engineers and Land Surveyors or a State licensing board which offers reciprocity with the State of Rhode Island, and must maintain such registration as a condition of employment.

Class Revised: July 5, 1987

Editorial Review: March 15, 2003

Class Revised: August 18, 2019