

## **CLASS TITLE: ENVIRONMENTAL LABORATORY SCIENTIST**

**Class Code: 02723500**

**Pay Grade: 27A**

**EO: B**

### **CLASS DEFINITION:**

**GENERAL STATEMENT OF DUTIES:** To conduct standard chemical, physical, or microbiological tests, analysis and examinations of a wide scope of environmental, organic and inorganic materials in a laboratory for the purpose of determining the identity and composition of materials and/or to identify the presence and/or concentration of microorganisms, foreign or toxic substances; and to do related work as required.

**SUPERVISION RECEIVED:** Work is subject to review in process and upon completion for conformance to prescribed instructions and standard laboratory methods.

**SUPERVISION EXERCISED:** As required, may oversee, instruct, and review the work of subordinates assigned to assist.

### **ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:**

To conduct standard chemical, physical, or microbiological tests, analysis and examinations of a wide scope of environmental, organic and inorganic materials in a laboratory for the purpose of determining the identity and composition of materials and/or to identify the presence and/or concentration of microorganisms, foreign or toxic substances.

To conduct quantitative and qualitative chemical or microbiological analysis of air or drinking and bathing water, sewage, industrial wastes and/or other waters involved in pollution control studies, etc.

To perform chemical tests or microbiological analyses of meat and food products to determine condition, purity and quality, and conformity to state and federal regulations.

To do chemical laboratory work in the field of industrial hygiene for the purpose of determining the presence and concentration of toxic substances in air samples and in commercial materials used in, or resulting from, various manufacturing processes.

To keep records of tests and analyses and to make reports as required.

To participate in maintaining a quality assessment and improvement program.

To perform quality control procedure and identify compliance with standards.

To comply with all applicable governmental laws and regulations and institutional policies and procedures.

To perform technical review of laboratory data.

To do related work as required.

### **REQUIRED QUALIFICATIONS FOR APPOINTMENT:**

**KNOWLEDGE, SKILLS AND CAPACITIES:** A thorough knowledge of the principles, practices and techniques of chemistry, biochemistry or microbiology; a thorough knowledge of laboratory methods and procedures; skill in the performance of chemical tests or microbiological analyses; the ability to analyze biological or chemical data and present conclusions in acceptable reports; and related capacities and abilities.

### **EDUCATION AND EXPERIENCE:**

**Education:** Such as may have been gained through: graduation from a college of recognized standing with a Bachelor's Degree in Chemistry, Biochemistry or related science.

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