

**CLASS TITLE: SENIOR ENVIRONMENTAL
LABORATORY SCIENTIST**

Class Code: 02723600

Pay Grade: 30A

EO: B

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To perform complex qualitative and quantitative chemical, physical, or microbiological tests and analyses; and to do related work as required.

SUPERVISION RECEIVED: Works under the general supervision of a superior with some latitude for the exercise of initiative and independent judgement; work is subject to review upon completion for conformance to accepted practices and policies.

SUPERVISION EXERCISED: As required, may oversee, instruct, train, and review the work of subordinates.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To perform complex qualitative and quantitative chemical, physical, or microbiological tests analyses.

To perform wet chemical and instrumental methods of chemical and microbiological analysis.

To operate and maintain complex analytical equipment.

To perform new, unusual, or difficult laboratory examinations.

To perform research studies pertaining to various projects.

To devise and implement quality control procedures.

To coordinate and integrate laboratory unit activities with those of other laboratory units.

To review, analyze and evaluate scientific reports and make recommendations regarding their release and implementation.

To organize and maintain laboratory literature resources in the area of the unit's specialty.

To appear in court or at hearings as an expert witness.

To implement laboratory safety regulations and review activities to ensure conformity to such regulations.

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 compile data to prepare scientific reports.

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 of analytical, inorganic, organic, physical or biological chemistry; a thorough knowledge of the principles and techniques applied to sampling and performing a variety of chemical and/or microscopic tests and analyses; a thorough knowledge of laboratory methods and techniques; a thorough knowledge of laboratory instrumentation; a thorough knowledge of research techniques as related to laboratory microbiological studies; the ability to instruct and train subordinates; the ability to perform complex chemical tests and analyses; the ability to operate, utilize and adjust instruments and equipment; the ability to oversee, instruct, train, and review the work of subordinates; the ability to perform research activities; the ability to analyze and interpret findings and to present conclusions and recommendations; the ability to understand and follow complex oral and written instructions; the ability to observe and implement safety precautions and practices; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have gained through: graduation from a college of recognized standing with a Bachelor's Degree in chemistry, biochemistry, or related science; and

Experience: Such as may have been gained through: employment in a private, public health or medical laboratory involving the performance of routine and complex chemical test and analyses.

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