

UTILITIES CHEMIST 1

Job Code	Pay Grade
17450	CL14

Nature of Work

This is professional scientific work performing chemical, biological, bacteriological and physical analysis of fluids and/or solids in the Utilities Laboratory. Employees in this class exercise independent judgment and skill in resolving work assignments, and maintain accurate and comprehensive records. Work requires a high level of precision and accuracy to ensure quality assurance compliance.

Minimum Qualification Requirements

- Bachelor's Degree in chemistry, bacteriology, biology or related discipline; or
- An equivalent combination of education, training and/or experience.

Appointing Authority May Also Require

- Florida Driver's License or Florida Commercial Driver's License and endorsement, if any.
- Assignment to work a variety of work schedules including compulsory work periods in special, emergency, and/or disaster situations.
- Other highly desirable knowledge, skills, abilities and credentials relevant to position.

Illustrative Tasks (These are examples and are not all inclusive.)

- Performs work assignments using standard and EPA analytical methods.
- May include the operation of instrumentation, or the use of specialized techniques under the oversight of a technical lead worker.
- Prepares glassware, media stock, extractions, and standard solutions as required for analysis.
- Maintains records and data as required by recognized procedures and regulations.
- Reviews preliminary data of analyses performed for appropriate client profile or permit parameters, and QC compliance criteria.
- Generates corresponding QC chart plotting and logging functions for preliminary data.
- Suggests modifications to standard and regulatory methods for review by Senior Chemist.
- Performs equipment maintenance as assigned or required.
- Provides lists of materials and/or supplies needed to ensure the proper timely operation of the section.
- Performs related work as assigned or required.

Knowledge, Skills, and Abilities

- Knowledge of the laboratory principles, practices and techniques of chemistry, biology and bacteriology.
- Knowledge of the principles, practices, techniques of laboratory quality assurance.
- Knowledge of the capabilities and limitations of electronic computers and instrumentation, and the role they perform in laboratory analysis.
- Knowledge of laboratory equipment, procedures and cleanliness requirements.
- Knowledge of OSHA regulations and recognized safety operating practices for laboratory work.
- Knowledge of mathematics through calculus.
- Ability to conduct technically advanced chemical analysis.
- Ability to present ideas and findings clearly and concisely in written, oral and graphic form.

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Revised	EEOC Code	Overtime Code
10/98	Professionals	Classified/Excluded