



Englewood Water District

Class Title: Chemist
Class Code: NE065
FLSA: Non - Exempt
W/C Code: 8810
Salary: \$22.00 - \$33.00 Hourly
\$45,760.00 - \$68,640.00 Annually

Description:

Tests samples of water and wastewater, performs a variety of chemical analysis on samples collected. Performs chemical and physical analysis on samples of water and wastewater effluent, influent, aeration basins, digesters, clarifiers, etc. Maintains records on analyses performed and samples prepared; ensures proper lab condition and appearance; prepares reagents, sterilizes glassware, and maintains instruments; makes calculations and records results on log sheet; prepares and calibrates equipment for sample analysis.

Essential Functions:

- Conducts regular and special chemical analysis of samples of water to determine the efficiency of treatment and chemical constituents (including biochemical oxygen demand, dissolved oxygen, chlorine demand and residual, nutrient analysis, suspended, volatile, fixed and total solids and alkalinity.)
- Calibrates and adjusts laboratory equipment to meet regulatory agency requirements.
- Interprets test results and formulates recommendations for plant operations.
- Ensures maintenance of laboratory certification.
- Operates, maintains, and repairs analytical instrumentation.
- Verifies and interprets data submitted; processes data and prepares results for submission to regulatory agencies.
- Keeps abreast of changing regulations and modifies procedures to ensure compliance.
- Prepares and maintains records and reports.
- The intent of this class description is to provide a representative summary of the types of duties and responsibilities that would be required of classifications given this title and shall not be construed as a declaration of the specific duties and responsibilities of any particular position. Incumbent may be required to perform job-related tasks other than those specifically presented in this job description.

Minimum Qualifications:

Bachelor Degree from an accredited college or university with major course work in chemistry, biology or environmental sciences. Two (2) years' experience in laboratory work associated with water/wastewater testing procedures monitoring treatment efficiency and process control, (or Associate Degree and five (5) years' experience.)

Approved by Administrator: _____ Date: _____

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Minimum Qualifications: (Continued)

Possession of and ability to maintain a valid State of Florida Driver's License is required.

Job Based Competencies:

- Thorough knowledge of the principles of organic and inorganic chemistry including qualitative and quantitative analysis as relates to the operation of water/wastewater treatment.
- Thorough knowledge of modern chemical laboratory procedures, techniques, equipment, and their use.
- Thorough knowledge of physics, physical chemistry, and biochemistry.
- Knowledge of hazards and safety precautions required in using chemicals and reagents in performing laboratory tests.
- Ability to perform research work on problems of a chemical nature.
- Ability to prepare clear and accurate scientific reports.
- Ability to prepare compliance monitoring reports.
- Ability to work overtime and/or be on call.
- Ability to establish and maintain effective working relationships with other employees and the general public.

Organization Status/Supervisory Responsibilities:

Under the direction of and responsible to the Technical Support Manager and Laboratory Supervisor.

Physical Requirements:

This is light work requiring exerting up to 20 pounds of force occasionally and up to 10 pounds of force frequently. Position requires reaching, fingering, talking, and hearing to accurately perceive information at normal spoken word levels. Position requires visual acuity for reviewing, checking, preparing, and maintaining written and computer files. Manual dexterity to operate standard office, data entry, and word processing equipment is required.

Employee: _____ Date: _____

Approved by Administrator: _____ Date: _____