

Title: Laboratory Technician II
PG: 38
Status: Civil Service
Position Reports to: Wastewater Chemist
Department: Water Utilities

Class Code: 6043
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

This is a skilled and technical position involving the performance of a variety of standard chemical, bacteriological and physical tests on water and wastewater or work involving the implementation of the industrial pretreatment program. Assignments are received from professional or administrative supervisors with some latitude for independent judgment. An employee in this position has the responsibility for sampling and analyzing water, wastewater and related substances following prescribed standard operating procedures and methodologies. Work is reviewed through evaluation of laboratory results and performance samples and supervisor's observations of work performed.

ESSENTIAL FUNCTIONS:

1. Plans worksheets and daily workload on samples to be analyzed.
2. Familiarity with the equipment, electronics and set up of the equipment used for the particular tests to be performed.
3. Prepares samples for digestion and analysis, determines dilutions of standards and samples for the tests performed.
4. Troubleshoots equipment and analyzes equipment problems.
5. Maintains an orderly and clean workplace.
6. Satisfactorily performs laboratory analysis which is part of quality assurance tests by the regulatory agencies.
7. Performs mathematics and statistics to arrive at accurate sample results.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Knowledge of standard laboratory principles, terminology, equipment and materials.
2. Knowledge of safety regulations, occupational hazards, precautions and the promotion of safety.
3. Knowledge of basic chemistry and biology principles.
4. Ability to understand and carry out oral and written instructions.
5. Ability to work independently, manage both time and equipment resources.
6. Ability to maintain equipment.
7. Ability to work with computerized equipment and various software packages.
8. Ability to work with hazardous materials and in hazardous areas safely.
9. Ability to establish and maintain effective, harmonious working relationships with co-workers, other city employees, and the general public.

WORKING ENVIRONMENT/CONDITIONS:

Requires sedentary work that involves walking or standing some of the time, exerting up to 20 pounds of force on a recurring basis, and routine keyboard operations.

The job risks include exposure to chemical and biological hazards found in the air and water samples.

The job requires normal visual acuity, and field of vision, hearing, speaking, color perception, sense of smell, depth perception, and texture perception.

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QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):

1. High school diploma supplemented by two (2) years of college level courses in Chemistry or Biology.
2. Two (2) years of experience in environmental testing, evaluation, inspection or sampling.
3. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirements may be substituted.

SPECIAL REQUIREMENTS:

1. Must possess and maintain a valid state of Florida driver's license.
2. Must maintain a valid home telephone number.
3. May be required to work overtime, or alternate hours, as necessary for the efficient operation of the department. Position may be designated as Mission Critical by Department Director.