

Title: Laboratory Technician I
PG: 31
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Water Utilities

Class Code: 6042
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

This is technical laboratory work involving the performance of a variety of standard chemical, bacteriological and physical tests on water, 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. Work is reviewed through evaluation of laboratory reports and observation of work performed.

ESSENTIAL FUNCTIONS:

1. Performs routine laboratory and related field work in the testing of regular and special samples of raw and treated sewage and water.
2. Runs various qualitative wet chemistry tests including biochemical oxygen demand and all solids determinations.
3. Prepares technical and operating reports and records; prepares chemical reagents and maintains laboratory equipment.
4. Analyzes sludge for pH, nutrients and metals.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Knowledge of standard laboratory principles, techniques, terminology, equipment and materials.
2. Knowledge of the current principles and practices of chemistry and bacteriology, particularly as applied to analytical work.
3. Skill and dexterity in laboratory procedures.
4. Ability to perform standard bacteriological and chemical analyses quickly and accurately.
5. Ability to prepare clear and concise reports and material specifications.
6. Ability to understand and carry out oral and written instructions.
7. Ability to establish and maintain effective 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.

QUALIFICATIONS (EDUCATION, TRAINING AND EXPERIENCE):

1. High school diploma or it's equivalent supplemented by college level courses in chemistry, biology and/or mathematics.
2. One (1) year of experience as a laboratory technician.
3. An equivalent combination of education and experience that is determined to be directly related to the specific foregoing requirements may be substituted.

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SPECIAL REQUIREMENTS:

1. Must possess and maintain a valid state of Florida driver's license.
2. 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.