

SANITARY LABORATORY TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS: This is technical laboratory work involving responsibility for performing routine tests in the analysis of water, wastewater, industrial wastewater and/or composted sludge. A high degree of alertness and accuracy is required since errors may result in endangering one's self as well as the health of the community. The work is performed under general supervision in accordance with prescribed procedures. Supervision is not a responsibility of this position. Does related work as required.

TYPICAL WORK ACTIVITIES:

Collects and prepares samples of water, wastewater, industrial wastewater and composted sludge for laboratory analysis;
Performs routine analysis of the above mentioned samples which includes chemical, physical and bacteriological examinations;
Performs special tests of the above mentioned samples to determine mineral analysis, common and uncommon toxic elements and chemical balance;
Prepares and standardizes chemical reagents for analysis of samples;
Prepares chemical media for bacteriological examinations;
Inspects laboratory equipment to insure proper operating conditions;
Records test results and maintains a variety of laboratory records and activity reports;
Maintains automatic chemical analysis equipment and prepares chemical reagents used by the equipment;
Participates in a wide variety of technical, clerical and housekeeping activities in the laboratory.

FULL PERFORMANCE KNOWLEDGES SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Good knowledge of modern laboratory techniques, practices, equipment, terminology and safety precautions used in the analysis of water and wastewater;
Good knowledge of the principles, practices and techniques of environmental regulations as related to public water supply and wastewater treatment;
Skill in both the operating and care of laboratory apparatus and equipment;
Ability to comprehend the use of new and innovative equipment as the need arises;
Ability to comprehend and follow technical verbal and written instructions;
Ability to maintain technical records and prepare reports;

Thoroughness;
Accuracy;
Dependability;
Manual dexterity;
Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

- A) Graduation from a regionally accredited or New York State registered college or university with an Associate's Degree in chemistry, biology, laboratory technology or closely related field; OR
- B) Completion of 60 semester credit hours at regionally accredited or New York State registered college or university, 24 of which must have been in chemistry, biology, laboratory technology or closely related field; OR
- C) Graduation from high school or possession of an equivalency diploma and two years of experience in performing physical, chemical or bacteriological tests in a public health laboratory setting or performing physical, chemical or bacteriological tests involving water or wastewater analysis; OR
- D) An equivalent combination of training and experience defined between the limits of A), B) and C) above.

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COMPETITIVE