

LABORATORY TECHNICIAN (SANITARY SERVICES)

DISTINGUISHING FEATURES OF THE CLASS: This is technical laboratory work involving the analysis of water or sewage in fulfilling “in-house” and State requirements. The work is performed in accordance with established sterile and testing procedures and requires a high degree of alertness and accuracy in that the consequence of error could result in the endangerment of the physical health of the community. The work is performed within limits prescribed by higher technical and professional authority who would devise procedures for new tests. The work is performed under the general supervision of Laboratory Director. Does related work as required.

TYPICAL WORK ACTIVITIES: Makes routine sanitary analysis of water or sewage including physical, chemical, bacteriological and microscopic examinations; Collects samples for sanitary analysis; Tests ambient air to determine amount of gas contamination; Prepares chemical media for analysis of water or sewage samples; Tests samples for color, turbidity, taste, odor, oxygen value, hardness, alkalinity, chlorides, iron, Ph value, residual chlorine and related factors; Performs special tests of water or sewage to determine mineral analysis, common and uncommon toxic elements and chemical balance; Makes varying solutions of reagents and standardizes reagents whose reaction varies from day to day; 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 laboratory.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL

CHARACTERISTICS: Good knowledge of modern laboratory techniques, practices, equipment, terminology and safety precautions used in the analysis of water and sewage; good knowledge of the principles, practices and techniques of environmental health as related to public water supply and sewage treatment; skill in the operation and care of laboratory apparatus and equipment; ability to comprehend and follow technical verbal and written instructions; ability to maintain technical records and prepare reports; thoroughness; a high degree of accuracy; dependability; manual dexterity; Ability to operate a personal computer and utilize common office software programs including word processing, spreadsheet, and database at an acceptable rate of accuracy and speed; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Either:

- (a) Graduation from a regionally accredited or New York State college or university with a Bachelors Degree in one of the Natural Sciences such as Biology, Chemistry, Physics, Environmental Science, or related field of study; or
- (b) Graduation from a regionally accredited or New York State registered two year college with an Associate’s Degree in one of the Natural Sciences such as Biology, Chemistry, Physics, Environmental Science, or related field of study and two years of experience as a Laboratory Technician; or
- (c) Graduation from high school or possession of a high school equivalency diploma and completion of an accepted training program for Laboratory Technician and two years of experience as a Laboratory Technician; or

SPECIAL REQUIREMENTS: Possession of a New York State driver’s license at time of appointment and maintain the license during the entire length of appointment.

Revised: 3/26/2001 Revised: 5/20/2005
Revised: 3/27/2009 Revised: 12/18/2013
Revised: 2/26/2020