

## ORANGE COUNTY CLASS SPECIFICATION

**TITLE:** LABORATORY TECHNICIAN **GRADE:** 11

**TITLE ABBREVIATION:** LAB TECH **TITLE NO.:** 6467

**JURIS.CL:** C **SALARY CODE:** 01 **UNIT:**  **EEO CODE:** TE **FLSA CODE:** NE

**DEPARTMENT:** PUBLIC WORKS **DIVISION:** O.C. SEWER DISTRICT #1

**SUPERVISOR'S TITLE:** CHIEF SEWAGE TREATMENT PLANT OPERATOR

**DISTINGUISHING FEATURES OF THE CLASS:** The work involves responsibility for performing professional technical laboratory tests in the analysis of water and/or sewage of a Type 1-A Sewage Treatment Plant. Supervision is received from the Chief Sewage Treatment Plant Operator with leeway for independent decision, but generally in accordance with standard methods. Does related work as required.

### **TYPICAL WORK ACTIVITIES:**

1. Collects samples for analysis.
2. Makes chemical, bacteriological and physical examinations of water, sewage, sludge, effluent samples and receiving streams and related material in accordance with standard methods.
3. Prepares chemical media for analysis of sewage samples.
4. Performs special tests of sewage to determine mineral analysis, common and uncommon toxic elements and chemical balance.
5. Makes varying solutions of reagents and standardized reagents whose reaction varies from day to day.
6. Records test results and maintains a variety of laboratory reports.
7. Reports test results to Supervisor for purpose of maintaining process control, procedures, plant efficiency and economy.
8. Maintains laboratory supplies and inventories.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL**

**CHARACTERISTICS:** Thorough knowledge of the principles and practices of sanitary chemistry; thorough knowledge of modern laboratory techniques, equipment and safety precautions; good knowledge of laboratory principles, practices and techniques, ability to conduct scientific investigations and research in the field and laboratory; ability to follow technical oral and written instructions; ability to maintain technical records and prepare reports; high degree of accuracy; manual dexterity; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** EITHER:

- (A) Graduation from a New York State registered or regionally accredited four (4) year college or university with a Bachelor's Degree in Chemistry, Biology or Environmental Studies; OR
- (B) Graduation from a New York State registered or regionally accredited two (2) year college with an Associate's Degree in Applied Science and two (2) years of full-time paid experience in sanitary chemistry or laboratory work.

**EQUIVALENCY EQUATION:**

Four (4) years of college training (A) =

Two (2) years of college training and two (2) years of experience  
(B)

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