

Civil Division: Mohawk Valley Water Authority  
Jurisdictional Class: Competitive  
EEO Category: Technicians  
Revised: 03/17/04

## **LABORATORY TECHNICIAN**

**DISTINGUISHING FEATURES OF THE CLASS:** This position exists with the Mohawk Valley Water Authority. This is technical laboratory work involving responsibility for carrying out routine tests for the sanitary, chemical and physical analysis of water. A high degree of alertness and accuracy is required, since errors may result in danger to the health of the citizens of the community. The work is performed under general direction of the Bio-Chemist, who is available for consultation on difficult or unusual problems. Supervision is exercised over the activities of a small number of subordinates. Incumbent performs related work as required.

### **TYPICAL WORK ACTIVITIES:** (Illustrative Only)

Makes routine sanitary analysis of raw and treated water including physical, chemical, bacteriological and microscopic examinations;  
Tests water samples for color, turbidity, tastes, odors, oxygen value, hardness, alkalinity, chlorides, iron, PH value and related factors;  
Performs special tests of water to determine mineral analysis, common and uncommon toxic elements, and chemical balance;  
Inspects laboratory equipment to ensure proper condition including incubator, sterilizer, turbidimeter, water still, comparators and glassware;  
Checks laboratory safety practices and sees that they are carried out;  
Makes recommendations for improved procedures and systematizes work to ensure efficient operations;  
Records results of tests, maintains a variety of laboratory records, and prepares activity reports;  
Supervises, and participates in, a wide variety of technical, clerical and housekeeping activities in the water analysis laboratory.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Good knowledge of modern techniques, testing practices, equipment, safety precautions and terminology used in a water analysis laboratory; good knowledge of the principles of bacteriology, biology, chemistry and physics as they relate to water analysis; demonstrated skill in the operation and care of water laboratory apparatus and equipment; ability to understand and carry out technical oral and written directions; ability to maintain technical records and prepare related activity reports; ability to lay out and supervise the work of others; thoroughness; dependability; high degree of accuracy; good hand and eye coordination; good judgement.

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**MINIMUM QUALIFICATIONS:** Either:

- (A) Graduation from a regionally accredited or New York State registered college or university with an Associate Degree in laboratory technology or a closely related field; **OR**
- (B) Graduation from high school or possession of a high school equivalency diploma **AND** two (2) years of experience in performing technical tests in a public health or medical laboratory or performing laboratory tests involving water analysis.

**NOTE:** Verifiable part-time experience will be pro-rated toward meeting full-time experience requirements.

Adopted: 05/22/97  
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