

## WATER QUALITY CONTROL TECHNICIAN

Code No.: 4-18-040  
COMPETITIVE

**DISTINGUISHING FEATURES OF THE CLASS:** This is a technical position in the Water Authority involving responsibility for taking water samples and conducting tests/analysis for quality and chemical, bacteriological and microbiological content and developing reports. The employee normally works under the direct supervision of the Chemist. May also test sludge residues from the Central Processing Facility. Reports directly to and works under general supervision of the Department Head. General supervision is exercised over the Junior Water Quality Control Technician and lab helper. Does related work as required.

**TYPICAL WORK ACTIVITIES:** (All need not be performed in a given position. Other related activities may be performed although not listed.)

Takes water samples at regular intervals and/or as required for special studies at various locations for quality checks;

Performs chemical and microbiological tests of samples for such conditions as: Chlorine, Fluoride, Turbidity, Hardness, Alkalinity, pH, coliform, color, and odor;

Keeps logs, records and maintains a database of analytical work done;

Prepares reports on water quality for New York State, County and various towns serviced by Monroe County Water Authority;

Makes field investigations of complaints by customers as required;

Makes or assists in special studies and operates pilot models of new treatment techniques;

Maintains physical inventory of laboratory chemicals and supplies and requisitions as needed;

Assumes duties of Assistant Chemist or Chemist in his/her absence.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Good knowledge of chemical, bacteriological and microbiological testing techniques and tests required in a water treatment plant; good knowledge of correct measures to improve water potability; good knowledge of operation problems of water treatment plant; good knowledge with current PC based software; ability to keep records and logs; ability to keep current in profession through literature and other methods; ability to develop cooperative relationships with governmental agencies; ability to pinpoint deficiencies in water samples; ability to diagnose and suggest remedies for chemical and bacteriological content of water supply; ability to deal effectively with general public; tact and courtesy in dealing with customers; accuracy; thoroughness; reliability; initiative; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** EITHER:

- (A) Graduation from a regionally accredited or New York State registered college or university with an Associate's degree in the chemical, environmental, or biological sciences, which includes a minimum of four (4) semester credit hours in general Microbiology, plus two (2) years of paid full-time or its part-time equivalent laboratory experience obtained under acceptable supervision in the environmental analysis of inorganic and representative organic analytes for which the laboratory is seeking approval; OR,
- (B) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree in the chemical, environmental, or biological sciences, which includes a minimum of twenty-four (24) semester credit hours in chemistry and a minimum of four (4) semester credit hours in general Microbiology; OR,
- (C) Any equivalent combination of training and experience as defined by the limits of (A) and (B) above.

**SPECIAL REQUIREMENTS:** Attendance at the New York State Grade II Water Treatment Plant Operators course at an approved New York State university to be completed within one year of appointment.

Qualifications of laboratory personnel are subject to the provisions of Subpart 55-2 to Part 55 of Title 10 NYCRR.

If you are appointed, you will be required to have a valid license to operate a motor vehicle in New York State or otherwise demonstrate your capacity to meet the transportation needs of the job.

**SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES:**

Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving direct contact with students, a clearance for employment from the State Education Department is required.

**REVISED:** October 23, 1986

**REVISED:** November 7, 1997