

# Water Treatment Plant Operator Job Description

(3rd shift weekdays M-F 11pm to 7am)

**Hiring Salary:** \$34,398- \$51,597 DOQ

## **GENERAL STATEMENT OF DUTIES:**

Performs responsible operational, laboratory, and maintenance functions in a water treatment plant; performs related duties as required.

## **DISTINGUISHING FEATURES OF THE CLASS:**

An employee in this class performs a variety of operational, laboratory, and maintenance duties designed to produce safe treatment of potable water. Work is performed on an assigned or rotating shift. Work includes monitoring the plant's operation through observation, mechanical readings and the results of standard chemical and biological tests and to make necessary adjustments in the process as conditions or test results dictate. Other duties include performing standard laboratory duties and tests and assisting with plant and facilities maintenance. Work also includes substantial record keeping of work activities. Work is performed under the general supervision of the Water Treatment Plant Superintendent and reviewed by observation, conference, and reviewing records for adherence to operations standards, instructions, and safety practices.

## **ESSENTIAL JOB FUNCTIONS:**

- Makes regular tours of plant and checks engines, generators, pumps, tanks, filters, and other equipment for proper functioning;
- Trains and supervises trainees on shift;
- Records data from various meters, gauges, and dials; Logs daily, weekly, and monthly activities;
- Performs standard laboratory chemical and biological tests; Performs general preventive and scheduled maintenance; Assists plant mechanics on maintenance and repairs;
- Regulates and adjusts motors, pumps, valves, and other apparatus to meet changing operating conditions;
- Performs routine building maintenance including cleaning, and painting; Collects water and wastewater samples.

## **JOB RELATED PHYSICAL ACTIVITY REQUIREMENTS:**

This position involves work requiring the employee to exert up to 50 pounds of force occasionally and less force frequently to move objects. Physical activity related to this position may include climbing, balancing, stooping, kneeling, crouching, reaching, standing, walking, pulling, lifting, grasping, talking, and hearing. Sufficient visual acuity is required to prepare and analyze data and figures; use a computer terminal; visually inspect and assemble small parts involved in the operation of machines and determine if small defects are present and use measuring devices. An employee in this position will be exposed to indoor and outdoor environmental conditions; subject to hazards including work in high places, exposure to working mechanical parts, electrical currents, and exposure to chemicals; and subject to extreme heat and cold, noise and vibrations, and work in narrow or close quarters. The worker may be exposed to bloodborne pathogens and may be required to wear specialized personal protective equipment.

**REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:**

Working knowledge of the operating characteristics and maintenance requirement of water treatment plant; working knowledge of applicable federal, state, and local laws, ordinances, and permitting requirements; working knowledge of the occupational hazards of the work and of necessary safety precautions; some knowledge of standard laboratory test and procedures used in a water treatment plant; some knowledge of hydraulic, chemical and mechanical principles pertinent to water treatment plant operations; ability to detect flaws in the operation of mechanical equipment and to determine proper remedial measures; ability to conduct routine laboratory test; ability to understand and follow moderately complex oral and written instructions; ability to read meters, charts, and technical manuals and drawings accurately and to maintain records of shift operations; ability to train subordinates; ability to establish and maintain effective working relationships with peers and superiors.

**ACCEPTABLE EXPERIENCE AND TRAINING:**

Graduation from high school supplemented by courses in electrical, mechanical, or plumbing trades, and one year experience in water treatment; or an equivalent combination of education and experience.

**ADDITIONAL REQUIREMENT:**

Certification at level C by the State of North Carolina for Water treatment.

**How to Apply:**

Submit application with resume online at [www.cityofbelmont.org](http://www.cityofbelmont.org) or mail application with resume to City of Belmont, Attn: HR Dept., PO Box 431, Belmont NC 28012. Pre-Employment Drug Screening is Required.