



## **POSITION ADVERTISEMENT**

**JOB TITLE:** Water Plant Operator I

**CLASS CODE:** 520-05

**OPENING DATE/TIME:** Monday, 10/10/18, 4:00 PM

**CLOSING DATE/TIME:** Open until filled.

**SALARY:** D.O.E.

**HOURS:** 7-3/3-11, alternating shifts 7 days a week (40 hours per week) Weekends and Holidays as required.

**JOB TYPE:** Full Time

**LOCATION:** Canton, North Carolina

**DEPARTMENT:** Water and Sewer

**DESCRIPTION:** The Town of Canton is seeking an experienced water treatment plant operator for the Town's Water Treatment Plant.

Please submit Town of Canton Application to the Town of Canton.

Attn: Mark Jones, Chief Water Plant Operator

Applications are available at Town Hall, 58 Main Street, Canton, NC 28716

The Town of Canton is an equal opportunity employer.

## **PRIMARY TASKS:**

Emphasis of the work is on performing routine tests to ensure optimum quality of water and efficient operation of the plant. Work includes conducting hourly rounds of the plant, maintaining records, performing tests on water and plant systems, adding required chemicals to water, troubleshooting mechanical problems, assisting customers, and performing related duties. Work is performed under the supervision of a Chief Water Plant Operator and is evaluated for quality of water produced, accuracy in tests performed, documentation of records, and efficient plant operations.

## **Illustrative Examples of Work**

- Makes hourly tours of plant to inspect operations; reads and documents gauge and meter readings and calibrations; adjusts chemical feed rates of equipment; ensures meters and pumps are functioning properly
- Collects water samples and performs tests; inspects water plant equipment and biological and chemical systems for proper operation; reports needs for equipment repairs
- Performs test on filtered water to determine excess color and records results; conducts tests for turbidity in raw, settled, and filtered water, chlorine residuals in filtered water, alkalinity levels in raw and filtered water, and records all results; calibrates fluoride meter and tests fluoride residual in raw and filtered water and records results
- Performs tests for coagulation, pH levels, and alkalinity; determines optimal chemical dosages; performs tests for titrations, water hardness, chloride, coliform, alum percentage, caustic percentage, fluoride level, and chlorine.
- Backwashes and rewrites filters using a tank by gravity feed.
- Checks levels of alum, caustic, fluoride, corrosion inhibitor, and adds other chemicals as needed
- Replaces chlorine cylinders and regulates the flow of chlorine; calculates chemical dosage, average readings, and plant performance and records in log book
- Performs routine preventative maintenance and repairs to pumps, motors, and other mechanical equipment; reports equipment failures to supervisor for replacement
- Performs associated work such as bulk chemical handling, grounds keeping, and housekeeping duties
- Participates in classroom and on-the-job training to ensure knowledge level and eligibility for certification renewal is maintained
- Performs related tasks as required

## **Knowledge, Skills, and Abilities:**

- Thorough knowledge of water plant and facilities operation, maintenance, and equipment, and the various processes and stages involved in the treatment of water.

- Considerable knowledge of personal computers and word processing and accounting programs, such as Windows, Microsoft Word for Windows, and Excel.
- Preferred knowledge of the maintenance requirements and repair of methods relating to electric motors, pumps, and other plant equipment but not required.
- Thorough knowledge of the hazards and applicable safety precautions involved in plant operations.
- Thorough knowledge of federal and state laws regulating water purification.
- Ability to perform laboratory tests.
- Ability to establish and maintain effective working relationships with officials, employees, and public.

**EQUIPMENT OPERATED:** Personal computer/ Microsoft Office, calculator, ph. meter, and other lab equipment as required, and various mechanical and electric pumps associated with a water filtration plant.

**REPORTING RELATIONSHIP:** This position reports to the Chief Water Plant Operator

**WORKING CONDITIONS:** Not Adverse.

**QUALIFICATIONS OF CLASS:**

**Education:** Any combination of education and experience equivalent to graduation from high school and/or experience in water plant operations.

**Certifications:** Grade C surface certification from the State of North Carolina preferred but not mandatory. Will train right applicant.

**Experience:** Minimum of one (1) year of experience as an operator in a surface water treatment plant preferred but not mandatory.

**Special Requirements:** Possession of a valid North Carolina driver's license, clean background check, and negative drug test.