



OFFICE OF HUMAN RESOURCES  
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**JOB ANNOUNCEMENT TITLE: OPERATOR IV WATER TREATMENT-ROVING**

**OPENING DATE: May 31, 2022**

**RECRUITMENT STATUS: In-house/Public**

**SALARY: Grade 4, \$26.44 per hour (plus addt'l 5% base pay)**

**STATUS: Full-time**

**CLOSING DATE: June 14, 2022**

**ANNOUNCEMENT #: POS-138-22**

**DEPARTMENT: Water Treatment**

**FLSA STATUS: Non-Exempt**

At the City of Frederick, we value diversity and the respect, engagement and productivity in an inclusive environment produces. We seek to consistently improve internal and external customer satisfaction, innovate and expand capability of services, and be a government that practices equality, equity, and fairness. We invite you to bring your skills, abilities, and knowledge to The City of Frederick and be a valued addition to a workforce that we know is our greatest asset.

Frederick is a progressive, richly diverse, and authentically charming city. Recognized as one of the best places to live in Maryland, Frederick is surrounded by mountain views and centrally located about 45 miles north of Washington D.C. and 45 miles west of Baltimore, MD.

**JOB SUMMARY:**

The City of Frederick's Water Treatment Department is responsible for the treatment of the City's drinking water. We take water from the source, give it a complete treatment method, including pH, fluoridation, chlorination, flocculation, sedimentation and filtration (according to State of Maryland Department of Environment and EPA guidelines and regulations) and pump it into the water tanks and distribution system for use. As an Operator IV Roving Operator – Water Treatment, the incumbent is required to perform routine tasks and necessary tests related to the processing of water treatment and will be required to adhere to specific requirements pertaining to work hours and will receive an additional 5% pay because of this arrangement.

Because the water treatment plant operates 24-hours a day, the incumbent must have the flexibility to work varying 8-hour shifts which include night, weekend, and holiday work schedules. This individual will be required to perform tasks alone, work at any city water treatment facility and must have the ability to work effectively with minimum supervision. This position is considered essential personnel and must respond to emergencies as required throughout the Department of Public Works (24 hours per day 7 days per week, and 365 days per year).

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Possess knowledge and understanding of safety regulations, Maryland Department of the Environment and the EPA regulations, as well as the safe operating limits of equipment used in the operation of water treatment
- Possess knowledge and understanding of State of Maryland Maximum Contamination Levels (MCL) and The City of Frederick Maximum Permissible Level (MPL) and all of the requirements to maintain water treatment plant compliance
- Be aware of treatment processes involving regular walking inspections of the facility, regularly observe Supervisory Control and Data Acquisition (SCADA) and process control screens and anticipate and plan for treatment and flow changes.
- Promptly and properly respond to all alarms and failures occurring at the facility.
- Monitor control panels, operates, back washes filters and adjusts plant production to maintain water levels in the storage tanks.
- Checks, changes chlorine tanks/cylinders, lubricates and maintains pumps, motors and other plant equipment, etc., ensuring all equipment is operating properly and for its intended purpose. Brings mechanical defects beyond his/her capability to repair to the attention of the Superintendent and/or the Assistant Superintendent.
- Observe variations in operating conditions and test results to determine optimum plant operations.
- Maintains a daily log of operations and record meter and gauge readings in written form and via computer:

handwriting must be legible.

- Have a working knowledge and ability to use computer hardware and software; Must have a general knowledge of programmable logic controllers (PLC's) as related to water treatment
- Collects water samples and conduct routine laboratory tests, which include, but are not limited to: Chlorine residuals, pH and Turbidity.
- Perform preventative maintenance, adds chemicals through mechanical chemical feeders and general custodial cleaning tasks.
- Establish and maintain effective working relationships with City officials, co-workers, vendors and the general public, as well as employees of utilities and other agencies whose business is related to water treatment.
- Answers telephone and/or communicate in person and via computer in a courteous and effective manner while providing information to vendors, other departments, and the general public
- Applies copper sulfate to bodies of water.
- Removes and installs leaf barriers in Linganore Creek and/or the Monocacy River at the water treatment plant intake structure(s).
- The incumbent is required on a regular basis to operate a vehicle observing legal and defensive driving practices.
- Perform manual work and other duties as assigned.

**QUALIFICATIONS:** *To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

**REQUIRED EDUCATION AND/OR EXPERIENCE:**

- High school diploma or general education degree (GED) and three years related experience and/or training in water treatment; or equivalent combination of education and experience.

**REQUIRED CERTIFICATES AND/OR LICENSES:**

- Valid driver's license equivalent to Maryland Class C in good standing. Must provide a copy of complete driving history prior to consideration for this role.
- Maryland Class 4 Water Treatment Operator License.

**LANGUAGE SKILLS:**

- Ability to read and write English legibly using proper spelling, grammar and punctuation.
- Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals.
- Ability to accurately read and interpret data on meters and charts.
- Ability to write routine reports and correspondence.
- Ability to communicate verbally to groups of customers and/or to supervisors and employees of the City.

**MATHEMATICAL SKILLS:**

- Ability to solve math problems, calculate figures, decimals, fractions, percent's, averages, conversions and solve for unknown values.
- Ability to apply concepts of basic algebra and geometry such as linear, area and volume measurements.
- Knowledge of or ability to learn to solve mathematical word problems and set up and solve difficult water treatment formulas.

**REASONING ABILITY:**

- Ability to solve practical problems and to deal with a variety of concrete variables in situations where only limited standardization exists.
- Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

**CERTIFICATES, LICENSES, REGISTRATIONS:**

- Valid driver's license equivalent to Maryland Class C in good standing. Must provide a copy of complete driving history prior to consideration for this role.
- Maryland Class 4 Water Treatment Operator License.

## **OTHER QUALIFICATIONS:**

- As a condition of employment, the incumbent must pass a respirator physical and fitness test.
- The incumbent is required to maintain facial hair in compliance with Federal Regulations.
- The incumbent must be able to wear a Self-Contained Breathing Apparatus while performing chemical handling duties.
- As a condition of employment, the incumbent must successfully pass a criminal background check.
- The incumbent is required to wear safety toe boots and will be required to successfully complete safety training, including and not be limited to: confined space training, CPR & First Aid, electrical safety, etc.

**PHYSICAL DEMANDS:** *The physical demands described here are representative of those that must be met by the incumbent to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

While performing the duties of this job, the employee is frequently required to move about, sit, use hands to finger, handle, or feel; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; talk or hear; and taste or smell. The employee will occasionally be required to stand and must frequently lift and/or move up to 10 pounds—occasionally, lift and/or move up to 50 pounds and roll cylinders/barrels weighing up to 450 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

**WORK ENVIRONMENT/CONDITION:** *The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

While performing the duties of this job, the employee may be exposed to loud machinery (moderate noise levels), unpleasant odors, fumes or airborne particles and toxic or caustic chemicals and such potential hazards as slippery walkways and dangerous gases. This individual will work both indoors and outdoors and will be exposed to wet and/or humid conditions, moving mechanical parts, heights, precarious places, work in confined spaces, and outside weather conditions.

*Equal Opportunity Employer*