



OFFICE OF HUMAN RESOURCES
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JOB ANNOUNCEMENT TITLE: WATER TREATMENT OPERATOR IV PLANT-FISHING CREEK

OPENING DATE: October 27, 2022

RECRUITMENT STATUS: In-house/Public

SALARY: \$26.44 - \$29.08 per hour

STATUS: Full Time

CLOSING DATE: November 10, 2022

ANNOUNCEMENT #: POS-229-22

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:

This technically skilled position is responsible for the day-to-day operations, basic maintenance and repairs of the Mountain Water Supply (Fishing Creek Reservoir and Lester Dingle) facilities with the primary responsibility of maintaining compliance with the standards set forth by the Environmental Protection Agency (EPA), Maryland Department of the Environment (MDE), City of Frederick and the Safe Drinking Water Act (SDWA).

The Mountain Water Supply facilities operate 24-hours a day. The incumbent must have the flexibility to work varying shifts which may include nights, weekends, holiday work schedules and assigned to department standby. This individual may be required to perform tasks alone and must have the ability to work effectively with minimum supervision. The person in this position is considered an essential employee meaning you are required to report to work during emergencies and/or weather events when City offices are closed or operating under the liberal leave policy.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Promptly and properly responds to all alarms and failures occurring at either facility.
- Monitors 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 their capability to repair to the attention of the Superintendent and/or the Assistant Superintendent.
- Observes variations in operating conditions and test results to determine optimum plant operations.
- Observes and monitors various conditions of the Fishing Creek Dam. In the event of an emergency, determines what action(s) need to be taken and provides assistance per the Fishing Creek Emergency Action Plan.
- Prepares a variety of documents and reports in written form and via computer; a daily log of operations, unscheduled work request requisitions, and quarterly well depth reports. Handwriting must be legible.
- Collects water samples and conducts routine laboratory tests, which include, but are not limited to: Chlorine residuals, pH and Turbidity.
- Performs preventative maintenance, adds chemicals through mechanical chemical feeders and general custodial cleaning tasks.
- Establishes and maintains 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 communicates 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 as required.
- Receives and unloads chemicals from trucks.
- Operates a vehicle on a regular basis, observing legal and defensive driving practices.

- Operates tools and equipment, including the City vehicle, boat, chainsaw, weed eaters, and lawn mowers.
- Performs assigned janitorial duties.
- Performs 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).
- Three (3) years of experience at a Class 4 facility, or related class of plant or water treatment experience. A combination of relevant education, experience, and/or training may be substituted to meet this requirement.

REQUIRED CERTIFICATES AND/OR LICENSES:

- Water Sampler Certification issued from the State of Maryland. The employee must maintain the certification for the duration of their employment.
- Maryland Class 4 Operator Certificate issued by Board of Waterworks and Waste System Operators from the State of Maryland. The employee must maintain the certificate for the duration of their employment.
- Vehicle Operator's license with satisfactory driving record that meets insurability standards of the City's insurance carrier is required. The employee must maintain the license for the duration of their employment.

REQUIRED SKILLS (Communication/Language; Mathematical; Computer; etc.):

- 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.
- 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.
- Knowledge of Federal and State regulations and materials, methods, processes and techniques commonly used in Water Treatment.
- Knowledge of safety standards and practices for hazardous environments, including OSHA safety rules, standards and regulations.
- Knowledge and understanding of MDE and OSHA Regulations as well as the safe operating limits of equipment used in the operation of Water Treatment.
- Intermediate knowledge of computers and their applications, especially Microsoft Office Suite (Outlook, Word, and Excel) at an intermediate level and SCADA applications such as Citect and PLC's.
- Ability to communicate effectively in English and to carry out instruction furnished in oral, written or diagram form; ability to express ideas clearly and concisely, orally and in writing to groups and to individuals.
- Ability to define problems, collect data, interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables, calculate figures, decimals, fractions, percentages, averages, conversions and solve for unknown values; must possess the ability to apply concepts of basic algebra and geometry such as linear, area and volume measurements; must be able to solve mathematical word problems and set up and solve difficult water treatment formulas.
- In concert with the Public Health Security and Bioterrorism Preparedness and Response Act of 2002 (Title IV, Section 401-403), verification of employment eligibility and a criminal background check will be conducted.
- Ability to regularly work beyond the scheduled work shift, including nights, weekends, and holidays, and to travel to various seminars or training classes as required to keep current in the water treatment profession and to maintain the required license and certifications.
- Maintain facial hair in compliance with Federal Regulations to be able to wear a Self-Contained Breathing Apparatus (SCBA) while performing chemical handling duties throughout employment.
- Successful completion of all required City of Frederick training and the annual respirator physical and SCBA fit test. Safety regulations prohibit incumbents from wearing contact lenses or from wearing beards or other facial hair that prevents a proper respirator fit.
- The City has designated this position as safety sensitive and thus subject to random urine, drug, and/or breath alcohol testing.

OTHER DESIRABLES:

- Experience operating a forklift.
- Experience conducting safety inspections.
- Hazardous chemical response training.
- Knowledge in the use of laboratory equipment and performing multiple water treatment laboratory testing.

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 required to continuously move about, balance, bend, stoop, kneel, crouch, lift objects weighing up to 10 lbs. from below waist level to above shoulder level and transport for distances up to 100 yards; use fine finger dexterity to operate tools and controls, and a firm grasp to lift and carry objects. The employee is required to frequently remain in a stationary position, stand, reach, twist at the waist, upward and downward flexion of neck, side-to-side turning of neck; lift objects weighing 11-25 lbs. from below waist level to above shoulder level and transporting up to 100 yards. The employee is required to occasionally climb, push/pull, lift objects weighing from 26-50 lbs. from below waist level to above shoulder level and transport for distances up to 10 yards. The employee is occasionally crawl, lift objects weighing from 51-100 lbs. below and at waist level, with assistance, and transport for distances up to 10 feet with assistance and rolling cylinders/barrels weighing up to 450 pounds transporting for distances up to 10 yards. Specific vision abilities required by this job include seeing in the normal visual range (20/20 vision) with or without correction; vision sufficient to read computer screens, printed documents, meter-reading equipment, dials, and gauges and to operate vehicles and equipment; color perception test. Specific hearing abilities required by this job include hearing in the normal audio range (roughly 20 Hz - 20 kHz) with or without correction.

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 the noise of plant machinery and other equipment; mechanical and electrical hazards of operating equipment; fumes and odors of chemicals and gases; toxic substances such as chemicals, cleaners, solvents, and gases; all types of weather and temperature conditions. Work and/or walk for long periods of time on various types of surfaces including slippery or uneven surfaces and rough, uneven terrain. Work is performed both indoors in plant area and outdoors in field and collateral facilities.

Equal Opportunity Employer