

Position Announcement

WATER PLANT OPERATOR CITY OF CARROLL, IOWA

PURPOSE OF POSITION

Under general supervision, responsible for the effective operation, maintenance and repair of physical facilities and equipment of the municipal Water Division consistent with EPA and IDNR requirements and standards; provides on-going maintenance and repair functions relating to the effective operation of water production, treatment and distribution systems. Works weekend shift rotation, as required.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The following duties are normal for this position. These are not to be construed as exclusive or all inclusive. Other duties may be required and assigned.

Controls treatment plant machines and equipment to purify and clarify water for human consumption or commercial use.

Operates and controls electric motors, pumps and valves to regulate flow of raw water into treatment plant; dumps specified amounts of chemicals such as chlorine, HFS acid, sodium hydroxide and potassium permanganate into water to disinfect and clarify water; starts agitators to mix chemicals; turns valves to regulate water through filter; pumps purified water into watermains.

Monitors panelboard and adjusts controls to regulate flow rates, pressure and distribution; cleans tanks and filters; analyzes water samples to determine impurities using standard laboratory equipment; records data, such as residual content of chemicals and pressure.

Cleans water filters by removing foreign particles; maintains records of chemical usage and prepares required reports; inspects equipment to detect malfunctions, cleans tanks and filters.

Operates, maintains and repairs water production, treatment, storage and distribution facilities, as needed.

Collects water samples and performs required laboratory testing to ensure proper water quality pursuant to EPA and IDNR requirements.

Analyzes treated water quality through chart readings, water samples, testing and related procedures and makes recommendations for altering or adjusting chemical feed.

Maintains logs and related operational documents and prepares monthly and annual reports required by governmental regulatory agencies.

Reads and installs meters, repairs and tests meters, responds to customer complaints, shuts off delinquents, works directly with meter service worker.

Uses a variety of specialized tools and equipment in testing fuses, transmission lines and related electric/electronic parts and testing of chlorine, fluorides and related chemical substances.

Performs custodial, grounds maintenance and general building trades maintenance and repair tasks at the plant, wells and related facilities, premises and equipment. Operates hand and power tools associated with the building and related mechanical maintenance trades; e.g., plumbing, electrical, carpentry.

Assists in purchasing supplies and equipment, as needed.

Assists in setting up daily work schedules and sees that they are completed. Coordinates work schedule with contracted labor.

Responsible contact person when supervisor is not available for plant and system operations.

MINIMUM TRAINING AND EXPERIENCE REQUIRED TO PERFORM ESSENTIAL FUNCTIONS

Grade I Water Treatment Plant Operator's Certificate issued by the Iowa Department of Natural Resources. Commercial Driver's License issued by Iowa Department of Transportation with both Tanker and Air Brakes endorsements. Or the ability to get the Certification and License.

MINIMUM PHYSICAL AND MENTAL ABILITIES REQUIRED TO PERFORM ESSENTIAL FUNCTIONS

Physical Requirements

Job requires occasional to frequent periods of strength involving moving, lifting tools, barrels, and containers weighing up to 150 lbs. Regular physical activity involving walking, climbing, balancing, stooping, kneeling, crouching, reaching and handling. Normal talking and hearing ability. Requires clarity of vision 20" or less and 20' or more with high degrees of depth perception and field of vision. Exposure to temperature changes, humidity, noise and vibration. Job requires eye/hand/foot coordination, manual and finger dexterity, motor coordination, clerical, forms and numerical perception.

Cognitive Demands

Knowledge of the physical facilities, equipment and processes used to produce, treat, store, test and distribute water for human consumption and commercial use and federal/state requirements governing this process; knowledge of the laboratory procedures utilized to determine conformance of raw and treated water and by-products to prescribed standards; knowledge of mapping, site location, computer entry, surveying and associated data collection and reporting functions; knowledge of the principles and practices used in the fields of chemistry, bacteriology, mathematics and related sciences; knowledge of the occupational safety hazards, chemicals, etc. involved in plant operations and safety precautions. Skill in the operation of public works equipment.

Language Ability and Interpersonal Communication

Ability to read and interpret technical information from meters, gauges and charts relating to the operating status of plant equipment and systems and take corrective action; ability to understand and communicate written and verbal instructions and maintain effective working relationships with employees, peers, supervisors and the public.

Environmental Adaptability

Regular exposure to extreme heat and cold temperatures. Direct and on-going contact with odors, toxic chemicals within the plant. Conditions which are potentially dangerous or hazardous include direct contact with machinery and electrical equipment, working from heights or in wells and similar job-related tasks.

Salary Range: \$21.999 - \$28.946, hourly, depending on qualifications

City of Carroll Application for Employment is available at Carroll City Hall or at www.cityofcarroll.com. Submit completed City of Carroll Application for Employment to:

City of Carroll
Director of Public Works
627 N. Adams Street
Carroll, IA 51401-2344

Ph. (712) 792-1000

Closing date: April 18, 2022

The City of Carroll is an equal opportunity employer.