



City of Dubuque Equipment Mechanic

SALARY	\$28.34 - \$32.07 Hourly	LOCATION	City of Dubuque, IA
JOB TYPE	Full-time	JOB NUMBER	2300-FT-10192023
DEPARTMENT	Water Treatment & Distribution	OPENING DATE	10/18/2023
CLOSING DATE	10/28/2023 11:59 PM Central	FLSA	Non-Exempt

Position Summary

GENERAL STATEMENT OF DUTIES: Under general supervision, the Equipment Mechanic supervises and performs preventative maintenance and repairs on water treatment mechanical and electromechanical machinery, equipment, buildings, and grounds; and performs related work as required. The ideal candidate works effectively as a member of a team; possesses the ability to follow a management philosophy that is input oriented and values problem solving and the development of partnerships; and desires to be part of an organization that values service, people, integrity, responsibility, innovation, and teamwork.

DISTINGUISHING FEATURES OF THE CLASS: The work in the Equipment Mechanic classification involves performing skilled mechanical and minor electrical repairs to plant and power equipment, including but not limited to pumps, boilers, filters, clarifiers, and aerators combined with a general understanding of fluid mechanics. The employee in this class will have a primary assignment at the Eagle Point Water Treatment plant and may be called upon to assist technicians conducting similar work at the wastewater treatment plant. This position requires the person to be available for emergency on-call work. The work is generally performed independently subject to inspection in process or upon completion. Assignments are received verbally and in writing; and work is reviewed by a supervisor through reports and results achieved.

Job Duties

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- Reads and interprets engineering blueprints.
- Attends and provides information in engineering meetings and discussions pertaining to the mechanical systems of the treatment plant, pumping stations, water tanks, and water towers.
- Works with outside contractors and vendors to obtain quotes; and initiates repair work under the supervision of the plant supervisor or manager;
- Installs new equipment.
- Services and maintains equipment including motors, conveyor systems and production-related equipment.
- Inspects and assesses the functionality of the treatment plant and remote pumping stations;
- Troubleshoots mechanical breakdowns;
- Adjusts mechanical parts using hand and machine tools.
- Welds and fabricates parts for repairs and machine upgrades.
- Conducts routine maintenance and safety checks.

- Initiates communication with operators
- Maintains a clean work area.
- Lubricates equipment and checks for malfunctions;
- Replaces bearings in motors, pumps and other equipment; and packing in pumps or valves;
- Repairs hydraulic systems;
- Rebuilds pumps and other water treatment equipment;
- Cleans out pipes;
- Utilizes gas and/or arc welding equipment to heat, cut, braze or weld;
- Performs some electrical, painting and plumbing and other pipe fitting tasks; and general maintenance and repair tasks on buildings and grounds;
- Handles, purchases and installs equipment that pumps chemicals, including but not limited to hydrofluorosilic acid, sodium hypochlorite or other disinfectant, poly-ortho phosphate, carbon dioxide, and other chemicals used in drinking water treatment;
- Prepares and submits maintenance records;
- Maintains time and other records.

KNOWLEDGE, SKILLS AND ABILITIES:

Water Treatment Standards, Equipment and Repair: Considerable knowledge of the standard practices, methods, tools and materials used in the mechanical and electrical trades; the operations, functions and mechanics of water treatment equipment and machinery and their servicing and maintenance requirements; the methods, practices, tools and materials used in a variety of mechanical maintenance and repair activities; the appropriate chemical processes involved in the treatment of water; and the occupational hazards and necessary safety precautions applicable to water treatment plant operations and maintenance work.

Technical Document Interpretation: Skilled at interpreting manuals, drawings and specifications, including layouts, blueprints and schematics;

Supervision: Planning, organizing, coordinating and supervising the activities of employees; maintaining effective working relationships with employees and the general public;

Equipment Proficiency and Technology: Using and caring for tools and equipment necessary to perform various electrical and mechanical repair tasks; and using applicable software programs.

Independent Task Management: Ability to handle a variety of tasks without close supervision;

Mathematical Aptitude: Make mathematical calculations involving fractions, decimals and percentages;

Instruction Comprehension and Adherence: Understand and follow oral and written instructions and directions;

Working Conditions: Work outside during inclement weather; and safely perform a variety of skilled tasks in the repair and maintenance of water and wastewater plant and power equipment.

Physical Requirements: Physical ability to handle medium to heavy work with occasional heavy lifting.

Qualifications

MINIMUM QUALIFICATIONS:

- A minimum of 5 years of experience in mechanical and electrical maintenance work and possession of a high school diploma or its equivalent, supplemented by related vocational or technical school course work;
- or any equivalent combination of experience and training which provides the essential knowledge, skills and abilities.

PREFERRED QUALIFICATIONS:

- Possession of or ability to obtain and maintain a State of Iowa Department of Natural Resources Grade II or higher Drinking Water Treatment Certification within thirty-six 36 months after appointment.
- Possession of or ability to obtain and maintain a valid Iowa driver's license at the time of appointment.
- As necessary, ability to obtain and maintain certification for respirator use in confined spaces within eighteen (18) months, following written request from supervisor or manager.
- Must be available for emergencies and, as necessary, placed in rotation for on-call shifts.

Supplemental Information

SUPERVISORY STATUS: None

FLSA STATUS: Non-exempt

RESIDENCY REQUIREMENT: Employee shall establish their principal place of residence within thirty (30) miles of their place of employment as soon as practicable after appointment, but within two years of appointment.

The City of Dubuque is an equal opportunity employer. All applicants will receive consideration for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability, or veteran status.

Agency

City of Dubuque

Address

Human Resources Department
50 W 13th Street
Dubuque, Iowa, 52001

Phone

563-581-2557

Website

<https://www.governmentjobs.com/careers/dubuqueia>