

CITY OF CEDAR RAPIDS POSITION PROFILE	JOB CODE #/TITLE: AF165 Water Plant Equipment Mechanic
POSITION #/TITLE: 0167, 0222, 0439, 0614, 0715, 0716, 0727, 1104, 1371 Water Plant Equipment Mechanic	Adopted: 07-97
	Revised: 03-16

POSITION DESCRIPTION

Dept /Division: Utilities/Water	Manager Level: Non-Manager
Salary Plan/Description: AFS/AFSCME	Salary Grade: 28
Reports To Position #/Job Code #/JC Title: 1370/NB299/Water Plant Maintenance Specialist	Dotted-line Reports To Position #/Job Code #/JC Title:
FLSA Status: Non-Exempt	City Overtime Status (Employee Type): Non-Exempt (Exception Hourly)
Physical Demand Rating: Very Heavy	Work Environment: Uncontrolled
Pre-employment Testing: Drug and health screening after contingent offer.	Position Testing: Physical Qualifications, SCBA Fit Test, Knowledge and Skills test, CDL-B with endorsements, First Aid, CPR, AED
Personal Protective Equipment: Eye, Face, Hand, Head, Foot, Hearing, Respirator, Gas Monitor, Welding PPE	

General Statement of Duties

Performs technical maintenance services to sustain a continuing program of water supply and distribution.

Distinguishing Features of the Class

Works under immediate-to-general supervision and exercises considerable discretion in selection of work methods and techniques.

Examples of Essential Work (Illustrative Only)

Directs and leads work crews in safe and efficient repair and maintenance of pumps, compressors, hydraulic systems and other mechanical equipment in water treatment plants, boosters, tanks and well fields;

Perform complete rehabilitation and services to vertical and horizontal collector well equipment and structures;

Adjusts, maintains and repairs high-lift and low-lift water pumps, booster pumps, sludge pumps, filter valves and controls, lime slaker machines, carbon dioxide lines and valves, chemical read equipment and other equipment and structures utilized in a water purification plant;

Performs carpentry and masonry work, plumbing, fence building, painting, minor maintenance and repair of automotive equipment and is well versed in the use of welders, cutting torches, plasma cutters, glass cutting, and common power and hand tools,

Operates dump truck, end loader and skid loader to hauls debris, chemicals and other equipment and supplies;

Cuts weeds and mows grass, in general maintenance of water purification plant;

Wears and properly uses safety equipment including personal protective, fall protection equipment, self-contained breathing apparatus, and gas detection equipment;

Performs all work duties and activities in accordance with City policies, procedures and safety practices;

Attends work regularly at the designated place and time;

Supports continuous process improvement initiatives;
Performs related work as required.

Required Knowledge and Abilities

Knowledge of functions and operations of equipment and structure utilized in water purification plant processes to include remote sites and well fields;
Knowledge of effective methods and techniques of installation, repair and maintenance of these structures and equipment;
Knowledge of OSHA permit-required confined space entry protocol, respiratory protection standards, right-to-know laws, CPR, and First Aid;
Skill in use of specified tools and equipment to install, maintain and repair structures and equipment;
Ability to properly utilize the following equipment and tools: mechanical hand tools; power saw; drills, drill press; post hole auger; lawn mowers; chain saw; air hammer; pipe threaders; welding torches; power grinders; dump truck; end loader; skid loader; dust mask; personal protective equipment, gas detectors, fall protection equipment and self-contained breathing apparatus;
Ability to perform confined space entry, including rescue, using permit-required protocol;
Ability to respond to emergency call-ins;
Ability to work under general supervision, subject to specific assignment; exercises considerable discretion in selection of work methods and techniques, within generally established boundaries;
Ability to work cooperatively and to maintain effective working relationships to accomplish job responsibilities;
Ability to quickly learn and put to use new skills and knowledge brought about by rapidly changing information and/or technology;
Ingenuity and inventiveness in the performance of assigned tasks.

Acceptable Experience and Training

Three years experience in maintenance and repair of mechanical hydraulic equipment, including two years of experience in maintenance and repair of pumps, lime slaker machines, water valves, hydrants, main and service lines and related structures. Must hold the position of Water Plant Maintenance Repair Worker II for a minimum of two years and meet testing requirements and other qualifications

Required Special Qualifications

Valid Iowa Commercial Driver's License (Class B) with appropriate endorsement to operate sludge hauler and valid Medical Examiners Certificate.
State of Iowa certificate in water treatment prior to upgrade and meeting testing requirements.

Essential Physical Abilities

Requires the following, with or without reasonable accommodation:
Clarity of speech and hearing which permits the employee to communicate effectively;
Sufficient vision which permits the employee to operate equipment and tools;
Sufficient manual dexterity which permits the employee to operate equipment;
Sufficient mobility and physical reflexes which permits the employee to perform in a confined space;
Sufficient physical abilities to perform all essential work listed
Sufficient physical abilities which permits the employee to wear and use personal protective equipment.