

**JOB DESCRIPTION  
CITY OF SPRINGFIELD**

**HUMAN RESOURCES DEPARTMENT  
EMPLOYMENT AND  
COMPENSATION DIVISION**

Job Title	<u>Plant Maintenance Mechanic II</u>
Sch & Grade	<u>CTL-11</u>
Class Code	<u>GA02</u>
FLSA Status	<u>Non-Exempt</u>
Bargain Unit Elig.	<u>IBEW</u>
Occ Series	<u>Fleet &amp; Equipment Services</u>

**PRIMARY PURPOSE:**

Performs skilled work in the repair and maintenance of specialized and complex equipment and machinery with wastewater treatment plants including tertiary treatment units and lift stations.

**SUPERVISION:**

Under the general supervision of the Wastewater Plant Maintenance Supervisor.

**DESCRIPTION OF WORK:**

**ESSENTIAL FUNCTIONS:**

1. Performs maintenance and repairs on specialized equipment and machinery in a pure oxygen activated sludge treatment plant including both conventional and tertiary treatment systems including but not limited to lift stations, bar screens, robotic cleaning mechanisms, primary drive mechanisms, secondary drive mechanisms, nitrification units, polishing filters, sludge thickening equipment, cryogenic oxygen plant and ozone generating equipment.
2. Performs a variety of repairs on motors, pumps, conveyors, generators, engines, air compressors, surface aerators, mixers, screening devices, pneumatic and electronic instrumentation, high speed compressors, turbines, pneumatically operated valves, hydraulic flow meters, automatic electric control devices, chemical feed devices and any other equipment associated with pure oxygen activated sludge treatment plants, conventional and tertiary treatment units.
3. Performs routine electrical, plumbing and gas maintenance work.
4. Reads and interprets technical repair manuals, operating guides, schematics, wiring diagrams, shop drawings, etc.
5. Drives equipment and vehicles to various work site locations at the North and South Treatment plants and lift stations to repair or perform preventative maintenance on equipment and machinery.
6. Utilizes a variety of common and specialized tools as required.
7. Serves as a lead worker in a team of two or more members planning and directing their work, keeping time sheets, ordering parts and materials as required.

**IMPORTANT FUNCTIONS:**

1. Cleans tools and maintains a neat and orderly work area.
2. Utilizes basic math calculations for repair projects as necessary.
3. Participates in training other employees in maintenance procedures

*Performs related work as required.*

**QUALIFICATIONS REQUIRED:**

Any combination of education, training, and experience providing the following knowledge, skills, and abilities:

**Knowledge**

Principles and procedures related to equipment and machinery repair, preventive maintenance and predictive maintenance.

**Abilities**

Follow oral and written instructions; communicate effectively both verbally and in writing; deal effectively and courteously with associates and the general public; perform the essential functions of the job without posing a direct threat to the health and safety of others. Ability to read and interpret shop drawings and blueprints; ability to understand written descriptions in technical terminology; ability to perform preventive maintenance and repair on a variety of equipment associated with lift stations, activated sludge treatment plants, pure oxygen activated sludge treatment plants, conventional and tertiary treatment units; ability to perform electrical, plumbing and gas maintenance work; effectively welcome and embrace differences among employees and citizens; perform effectively as a member of the team in carrying out the City’s stated mission and philosophy.

**Experience, Education, and Training**

Must have completed high school; trade school or apprenticeship preferred; minimum of 3 years of experience in plant equipment repair.

**Physical Requirements**

Must be able to: hold and grip objects; bend, squat, kneel, crawl, twist, and reach over head; work in awkward positions; lift, carry, push, and pull up to 50 pounds; may be subject to long periods of standing.

**Working Environment**

Both indoor and outdoor working environments with exposure to dust and pollen; subject to a variety of extreme weather conditions; susceptible to mechanical hazards associated with equipment and machinery as well as chemical, electrical, toxic waste, and other safety hazards associated with treatment plant facilities; possible exposure to disease and strong odors as related to wastewater treatment operations

**Licensing/Certification**

Must possess a valid class "B" Commercial Driver's License (CDL) with appropriate endorsements.

**Miscellaneous Requirements**

None required.

<b>Last Revision:</b>	March 2017	<b>GENERAL ORDINANCE NO.</b> 3001
<b>Comments:</b>	Updated Supervision	<b>Date:</b> October, 1979

**I have read the foregoing job description in its entirety and understand its contents. I can perform the essential functions outlined with or without reasonable accommodation under the Americans with Disabilities Act.**

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_