

City of Fort Worth, Texas Job Description

Classification Title	Water Systems Mechanic I		
Job Code:	ST5430	Job Family:	Service Trades
Pay Grade	507	Date Reviewed:	07/07/2015
FLSA Status	Nonexempt	Date Revised:	10/07/2023

GENERAL SUMMARY

Performs maintenance duties of water and water treatment plants. Maintains pumping machinery, plant grounds, building and related equipment.

ESSENTIAL DUTIES & RESPONSIBILITIES

The intent of this job description is to provide a representative summary of the major duties and responsibilities performed by incumbents of this job. Incumbents may be requested to perform job-related tasks other than those specifically presented in this description.

1. Assists in performing preventative maintenance, repair, and installation on plant structures including piping, engines, blowers, pumps, valves, and other assorted water and wastewater treatment and pumping equipment.
2. Installs pumps, valves, actuators, motors and other wastewater equipment.
3. Maintains and operates electrical distribution systems and generator distribution stations.
4. Maintains plant maintenance equipment. Adds oil or grease to components as needed.
5. Operates hand tools, welding machine, air compressor, forklift and other related equipment.
6. Assists complex construction projects for large-scale plant operation.
7. Cleans chemical leaks and collect debris.
8. Follow work plans and schedules.
9. Performs data entry for work orders, time keeping, preventive maintenance and historical documents.
10. Performs other duties as required.
11. Adheres to assigned work schedule as outlined in the Department and City attendance policies and procedures; ensures all behaviors comply with the City's Personnel Rules and Regulations.

KNOWLEDGE, SKILLS & ABILITIES

- **Knowledge of:**
 - City policies and state laws.
 - Basic Environmental Protection Agency (EPA) information.
 - Engine operation and principles including repair of large stationary engines.
 - Materials, tools, and techniques used in plant operations.
 - Maintenance, repair, and operation of motors, mechanical and chemical equipment utilized by pumping and water treatment facilities.
 - Corresponding systems, equipment, and machinery within or attached to the piping system.
 - Technical precision equipment.
 - Mechanical and electrical.
 - Industrial machinery lubricants and hazardous chemicals.
 - Safety precautions and practices as applied to electrical, mechanical, and construction activities.
 - General departmental policies and regulations.
- **Skill in:**
 - Making observations.
 - Operating various hand, power, pneumatic, hydraulic and precision tools.
 - Computer skills and data entry.
 - Time management.
- **Ability to:**
 - Communicate clearly and effectively, both orally and in writing.
 - Assist in maintenance and repair work on water or wastewater treatment machinery, equipment and controls.
 - Use and operate hand tools, mechanical equipment and power tools and equipment required for working in a safe and efficient manners.
 - Troubleshoot and solve complex problems.
 - Coordinate and prioritize.

MINIMUM JOB REQUIREMENTS

High school diploma/GED and no previous experience required.

OTHER REQUIREMENTS

Valid Texas Driver's License.

WORKING CONDITIONS

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.

Depending on assignment, positions in this class typically require touching, talking, hearing, seeing, grasping, standing, stooping, kneeling, crouching, reaching, walking, repetitive motions, climbing, balancing, pushing, pulling and lifting; depending on assignment. Incumbents may be exposed to moving mechanical parts, odors, dusts, poor

ventilation, chemicals, oils, extreme temperatures, inadequate lighting, intense noises, gases, vibrations, chemicals, oils and workspace restrictions.

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Heavy Work – Depending on assignment, positions in this class typically exerting up to 100 pounds of force occasionally, up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly having to move objects.