City of Fort Worth, Texas
Job Description

Classification Title	Water Systems Technician I		
Job Code:	TC5600	**Job Family:**	Technical/Para-Professional
Pay Grade	505	**Date Reviewed:**	07/07/15
FLSA Status	Nonexempt	**Date Revised:**	

GENERAL SUMMARY

Performs a variety of technical duties and manual labor tasks in the operation and maintenance of the city's water or wastewater treatment plants and facilities. Assists upper level system technicians and supervisory staff with assigned tasks.

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. Operates and adjusts treatment plant pumps, motors, feeders and other equipment.
2. Participates in the routine laboratory analysis of water at various stages of the treatment process to determine plant efficiency. Loads and unloads chemical feeding devices and prepares samples.
3. Assists mechanical staff with maintenance of facilities and equipment. Adds oil or grease to components as needed.
4. Adheres to operational schedules and methods to ensure efficient water or wastewater plant operations. Identifies resource needs and reviews needs with appropriate management staff.
5. Performs water quality testing to evaluate the condition of water at various stages of treatment. Contrasts water product with water quality demands and standards.
6. Assists monitoring and evaluating drinking water in distribution systems. Ensures water quality meets customer expectations.
7. Records information obtained from charts, gauges, meters and scales.
8. Participates in monitoring work area to ensure a safer working environment. Follows safety guidelines established by the assigned department.
9. Participates in maintenance work on utility plant buildings and grounds.
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:**
  - Materials, tools, and techniques used in water or wastewater plant operations.
  - Materials, methods, practices, and equipment used in water or wastewater plant operations including valves, pumps, and motors.
  - Basic operational characteristics, services, and activities of a water or wastewater plant operation program.
  - Arithmetic operations (addition, subtraction, multiplication, and division).
  - Safety precautions and practices as applied to water/wastewater plant operations.
  - General departmental policies and regulations.
  - Pertinent Federal, State and local laws, regulations and policies.
- **Skill in:**
  - Making observations.
  - Communicating with others.
  - Operating assigned equipment.
  - Good judgment.
  - Operating assigned equipment.
- **Ability to:**
  - Communicate clearly and effectively, both orally and in writing.
  - Perform a variety of basic chemical and bacteriological testing and analysis.
  - Analyze and interpret the results of a variety of water tests.
  - Identify and resolve water quality problems.
  - Operate and care for laboratory equipment.
  - Work safely with a variety of hazardous and toxic materials.
  - Interpret and apply federal, state and local laws, codes and regulations related to water treatment and quality.
  - Interpret and explain city water quality policies and procedures.
  - Prepare complete and accurate records and reports.
  - Establish and maintain effective working relationships.

MINIMUM JOB REQUIREMENTS

High school diploma/GED and no experience required.

OTHER REQUIREMENTS

Valid Texas Driver's License.

Possession of, or ability to obtain, within one year of employment, a Class "D" Water License or a Class "D" Wastewater License from the State of Texas.

Possession of, or ability to obtain within three years of employment, a Class "C" Water License or a Class "C" Wastewater License from the State of Texas.

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.