

# CITY OF RICHARDSON

JOB TITLE: **Water Quality Technician**  
DEPARTMENT: Public Services – Water Production  
CLASS CODE: 05209  
CIVIL SERVICE: X NON-CIVIL SERVICE:  
COMPETITIVE: X NON-COMPETITIVE:  
EXEMPT: NON-EXEMPT: X  
FULL TIME: X PART TIME:

APPROVED: \_\_\_\_\_  
EFFECTIVE: 08/08/2016

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## **JOB SUMMARY:**

Under the supervision of the SCADA Supervisor monitor, sample, and document all aspects of water quality within the water distribution system. Assist the Water Quality Inspector in maintaining all reports pertaining to water quality, sample taking, and flushing programs within the water distribution system. Perform other related work as required.

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## **ESSENTIAL JOB FUNCTIONS:**

Provide assistance to the Water Quality Inspector in efficiently and effectively performing bacteriological, chlorine, monochloramine, free ammonia, and pH water samples on a daily/monthly/quarterly/annual basis as required by the Texas Commission on Environmental Quality (TCEQ). Facilitate, deliver, collect, and mail all Lead and Copper samples during the sampling period set by TCEQ. Support the Water Quality Inspector in assisting external vendors performing quarterly water samples, such as Nitrate/Nitrite, THM's, and HAA5, on behalf of the City of Richardson (COR). Must communicate professionally and effectively with various COR departments, such as Capital Projects, Construction Rehabilitation, and Plant Maintenance. Assist in scheduling and performing water samples for new construction, water relays, water main breaks, water reservoirs, or other special samples as requested by the Water Quality Inspector. Assist with the fire hydrant flushing program by ensuring appropriate fire hydrants are flushed as scheduled. Assist with data entry for records and reports required by TCEQ. Understand all water/wastewater testing equipment in order to perform all water sampling duties. Read, understand, and interpret all rules listed under Texas Administrative Code 30, Chapter 290. Know and understand dosage and disinfectant practices consistent with TCEQ and American Water Works Association (AWWA) standards. Communicate professionally and effectively with other city employees, officials, and the public. Read, write, and follow written and oral instructions. Lift and carry up to 100 pounds; push, pull and/or drag up to 150 pounds. Ability to climb, crawl, kneel, sit, squat, stand, twist, walk, stand and/or work on feet, and stoop for extended periods of time. Work in various extreme environments, such as the cold, heat, temperature swings, noise, outdoors, indoors and confined spaces, using proper safety precautions. Work around mechanical hazards, electrical hazards, odors, and dust, using proper safety precautions. Wear and properly use personal protective equipment.

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## **OTHER JOB FUNCTIONS:**

Perform various duties and/or tasks for all water divisions. May perform water quality inspection duties and responsibilities for a specific period of time as requested by the SCADA supervisor due to operational needs, following the completion of necessary training.

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## **REQUIRED EDUCATION; DEGREES, CERTIFICATES, AND/OR LICENSES:**

High School Diploma or GED required. Class C Water Distribution License issued by TCEQ is required. Customer Service Inspector License issued by TCEQ is preferred. Texas Driver License, Class C, required. Additional accredited training courses in water distribution preferred.

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## **EXPERIENCE, TRAINING, KNOWLEDGE, AND SKILLS:**

Two years of journey level experience is required in SCADA Operations or in construction/maintenance of a water distribution system. One year of experience preferred in the operation of pumps, motors, elevated and ground storage tanks, and associated equipment. Knowledge of water distribution pressure zones, pressure zone boundaries, and the correlation between the transfer/movement of water between these zones. The terminology used in a water distribution system and the use and calibration of colorimeters. Must have the ability to: research, read, understand, and interpret all rules listed under Texas Administrative Code 30, Chapter 290. Knowledge and understanding of dosages and disinfectant practices consistent with TCEQ and/or AWWA standards. Analyze and monitor charts and data to correctly interpret and react to those interpretations regarding water quality trends. Must have the ability to follow written and oral instructions. Must be able to implement safe work practices. Must be able to: read and interpret various diagrams, devices and computer-generated data; maintain accurate records, maps and status boards. Must be able to effectively communicate via telephone, radio, email, and in writing. Good written and oral communication skills are required. Must be able to: operate computer-based equipment and software such as, Lotus Notes, Microsoft Office, and Adobe.