



DATE	July 2023
JOB CODE	WQLTTECH
FLSA	NON-EXEMPT
EEO	
PAY GRADE	

JOB TITLE: Water Quality Technician
 DEPARTMENT/DIVISION: Public Works
 REPORTS TO: Water Quality/Production Supervisor

SUMMARY: Responsible for the collection, testing, documentation, and the delivery of bacteriological, chlorine residual, trihalomethane and other analytical samples associated with the operation of a potable water supply. Performs fire hydrant flushing, backflow assembly testing; prepares notices of violation; and performs customer service inspections. Work requires limited supervision.

ESSENTIAL JOB FUNCTIONS:

- Performs inspections of business and residential homes to identify cross connection hazards.
- Inspects and enforces applicable ordinances. Issues notices of violations for water quality non-compliance issues.
- Participates in pre-construction meetings to inform new customers of expectations and to respond to applicable questions.
- Collects water samples to identify trihalomethanes, HAA5, lead, copper, well, water quality parameters, bacteriological, chlorine, unregulated contaminants and nitrates to identify potentially hazardous levels in the drinking water supply.
- Implements corrective measures to resolve potential water quality problems.
- Investigates, researches, and resolves complaints associated with water quality.
- Performs hydrant flushing with diffuser and de-chlorination tablets to help alleviate distribution water quality problems. Accounts for water usage due to flushing.
- Participates in a variety of meetings related to water quality issues and provides technical expertise.
- Collaborates with applicable internal departments regarding water quality issues.
- Prepares and submits required documentation to applicable state agencies.
- Must be able to work both independently and as part of a team.
- Responds to emergency and on call situations.
- Performs other duties as assigned.

SUPERVISORY/BUDGET RESPONSIBILITIES:

- Able to Step into the Sr Water Quality Technician role in the event of the Sr Water Quality Technician's absence.

KNOWLEDGE, SKILLS, AND ABILITIES:

- Knowledge of basic water treatment operations;
- Knowledge of basic occupational health and safety regulations;
- Knowledge of cross connection principles;
- Knowledge of personal hygiene best practices;
- Skilled in collecting and testing water samples;
- Skilled in preparing reports and maintaining records;
- Skilled in performing basic laboratory analyses or examinations;
- Skilled in applying independent judgment, personal discretion and resourcefulness in interpreting and applying guidelines;
- Skilled in providing customer service;
- Skilled in gathering and analyzing information and making recommendations based on findings and in support of organizational goals;
- Skilled in operating a computer and related software applications;
- Skilled in communicating effectively with a variety of individuals.

MINIMUM QUALIFICATIONS:

- Must possess a TCEQ Class D Water License.
- AND
- High School Diploma or G.E.D and
 - Two years of water system experience.
- OR
- An equivalent combination of education, experience and training that provides the required knowledge, skills and abilities.

PREFERENCES:

- TCEQ issued Class C, BPAT and/or CSI license.

WORKING CONDITIONS:

- Frequent reaching, standing, stooping, kneeling, crouching, walking, talking, seeing, hearing, smelling, and touching.
- Occasional lifting and carrying up to 75 pounds.
- Work is typically performed in both standard office and outdoor environments, with potential exposure to adverse weather conditions.
- Work is performed in close quarters, high and precarious places, and near moving mechanical parts.
- Potential exposure to risk of electrical shock, vibration, fumes, airborne particles, and infectious diseases.

CONDITIONS OF EMPLOYMENT:

- Must possess a valid motor vehicle driver license.

- Must pass pre-employment drug test.
- Must pass criminal history check.
- Must pass motor vehicle records check.
- Must obtain a TCEQ Class C Water Distribution, Groundwater or Surface Treatment Licenses or higher within eighteen months of employment.
- Must obtain a TCEQ BPAT within thirty months of employment
- Must obtain a TCEQ CSI License within thirty months of employment.