



Code: 2317
Family: Legal and Regulatory
Service: Health and Welfare
Group: Inspectional Group
Series: Sanitary Inspection

CLASS TITLE: WATER QUALITY INSPECTOR

CHARACTERISTICS OF THE CLASS

Under supervision, collects and tests water samples for conformance to water purity standards; and performs related duties as required.

ESSENTIAL DUTIES

- Collects water samples from designated distribution system locations on a daily basis
- Uses various testing and monitoring equipment to perform chlorine residual, turbidity, and pH readings and tests and takes temperature of water at each collection point
- Conducts perimeter, public buildings, and drinking fountain surveys to ensure water quality for public consumption
- Utilizes chlorine residual recorders, and records and analyzes readings in order to inform supervisors of adverse conditions affecting water quality or sampling procedures
- Delivers samples to the Division of Water Quality for detailed chemical and bacteriological analyses
- Assists engineers in conducting raw water surveys and inspections of lake water
- Assists engineers in the testing of water in dead-end mains, public buildings and perimeter locations
- Maintains records of samples collected and tests performed
- Assists with data entry as needed
- Drives to field sites to collect specimen
- Tabulates and proofreads water quality data when assigned to the office

NOTE: *The list of essential duties is not intended to be inclusive; there may be other duties that are essential to particular positions within the class.*

MINIMUM QUALIFICATIONS

Education, Training, and Experience

- High School Diploma or equivalence certificate (GED), plus one year of water quality inspection, control, monitoring, and/or sampling experience, or an equivalent combination of education, training and experience

Licensure, Certification, or Other Qualifications

- A valid State of Illinois driver's license is required

WORKING CONDITIONS

- General office environment
- Exposure to outdoor weather conditions, including inclement weather and extreme temperatures

EQUIPMENT

- Standard office equipment (e.g., telephone, mobile devices, printer, photocopier, fax machine, calculator)

- Computers and peripheral equipment (e.g., personal computer, computer terminals, hand-held computer)
- Personal protective equipment (e.g., hard hat, shoes, glasses, gloves,)
- Water quality testing and on-line field monitoring equipment (pH meters, thermometers, chlorine test kits and sample collection bottles)

PHYSICAL REQUIREMENTS

- Some lifting (up to thirty-five pounds) is required
- Ability to stand and walk for extended periods of time
- Ability to occasionally climb staircases, ladders and/or step stools
- Ability to open a hydrant

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS**Knowledge**

Good knowledge of:

- practices and procedures used in conducting water surveys
- operation of basic water testing equipment
- standard sampling methods to determine compliance with federal and local regulations

Some knowledge of:

- performing field water tests
- report preparation methods, practices and procedures

Knowledge of applicable City and department policies, procedures, rules, and regulations

Skills

- *ACTIVE LEARNING - Understand the implications of new information for both current and future problem-solving and decision-making
- *ACTIVE LISTENING - Give full attention to what other people are saying, taking time to understand the points being made, ask questions as appropriate, and not interrupt at inappropriate times
- *MATHEMATICS - Use mathematics to solve problems
- *SCIENCE – Use scientific rules and methods to solve problems
- *COORDINATION WITH OTHERS - Adjust actions in relation to others' actions
- *EQUIPMENT MAINTENANCE - Perform routine maintenance on equipment and determine when and what kind of maintenance is needed
- *EQUIPMENT SELECTION – Determine the kind of tools and equipment needed to do a job
- *QUALITY CONTROL ANALYSIS - Conduct tests and inspections of products, services, or processes to evaluate quality or performance

Abilities

- COMPREHEND ORAL INFORMATION - Listen to and understand information and ideas presented through spoken words and sentences

- SPEAK - Communicate information and ideas in speaking so others will understand
 - COMPREHEND WRITTEN INFORMATION - Read and understand information and ideas presented in writing
 - WRITE - Communicate information and ideas in writing so others will understand
 - RECOGNIZE PROBLEMS - Tell when something is wrong or is likely to go wrong
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All employees of the City of Chicago must demonstrate commitment to and compliance with applicable state and federal laws, and City ordinances and rules; the City's Ethics standards; and other City policies and procedures.

The City of Chicago will consider equivalent foreign degrees, accreditations, and credentials in evaluating qualifications.

* May be required at entry.

City of Chicago
Department of Human Resources
June, 2020