

CROSS CONNECTION CONTROL INSPECTOR

CLASS DESCRIPTION

General Responsibilities:

This is responsible, specialized work conducting cross connection control surveys; inspecting, testing, and monitoring the abandonment of private wells; assisting with the collection of data relative to water quality investigations; and collecting routine or specialty water quality samples. The work is normally performed independently under general supervision of the Water Quality Manager, but may also involve working as part of a team and/or referring issues involving policy decisions to higher level staff in more complex situations. Inspectors utilize considerable judgment and discretion in carrying out code enforcement duties. Work assignments occur as a result of regularly established inspection routes and in response to consumer complaints.

Examples of Duties and Responsibilities:

Conduct cross connection control surveys to prevent backflow or backsiphonage of potential contaminants into the potable water system. Establish inspection schedules and procedures.

Inspect businesses, commercial and industrial establishments, and other types of buildings and facilities which are covered by state cross connection control law and codes. Inspect for compliance water inlets to equipment such as dairy, printing, photo processing, car wash, laboratory and food service. Advise facility owners and tenants of the necessary protective methods, devices, or assemblies that must be implemented or installed.

Maintain electronic and paper records of survey results documenting the actual or potential cross connections and the appropriate backflow prevention as implemented. Prepare reports and notices of violations. Issue citations and/or re-inspection fees.

Approve plans to ensure compliance with applicable state codes and city ordinances. Work with organizations such as the University of Wisconsin, Madison Metropolitan School District, and large industrial customers to include cross connection control in building remodeling specifications.

Conduct follow-up inspections to ensure that devices or assemblies have been installed and/or modifications made according to code. Coordinate with plumbers, building managers, and owners to ensure that violations are corrected in a timely manner. Provide testimony in legal proceedings involving non-compliance.

Inspect private domestic wells for compliance with state codes and City ordinances. Collect water samples to ensure a safe water supply. Deliver samples to testing laboratories. Direct wellowners to sanitize or abandon wells as required by unsatisfactory test results. Monitor the abandonment of private wells to ensure that the appropriate materials are used, proper procedures are followed, and that the City's potable water supply is protected.

As assigned, respond to consumer complaints regarding water quality. Work as part of a team investigating water quality problems where cross connection is suspected as a cause of the quality concern.

Perform related work as required.

QUALIFICATIONS

Knowledge, Skills and Abilities:

Thorough knowledge of supply-side plumbing systems including the causes and prevention of backflow and backsiphonage in the water distribution system. Thorough knowledge of national, state and local plumbing codes and ordinances covering cross connection control and prevention. Knowledge of private well testing and abandonment ordinances, codes and procedures. Knowledge of water sampling procedures and water quality concerns. Ability to perform and accurately record the results of cross connection surveys. Ability to make recommendations as to appropriate corrective cross connection control measures and devices. Ability to maintain written and computer records. Ability to read blueprints and plans relative to plumbing systems and backflow devices or assemblies. Ability to monitor well abandonments and ensure proper procedures are followed. Ability to follow standard protocols for collecting water quality samples. Ability to carry out written and verbal instructions. Ability to work independently and as part of an inspection/problem-solving team. Ability to visually inspect plumbing installations. Ability to climb stairs and ladders and gain access to plumbing installations. Ability to deal tactfully and courteously with water consumers and parties affected by cross connection control inspections and well inspections and/or abandonments. Ability to educate and give accurate advice to affected parties to achieve regulatory compliance. Ability to establish and maintain effective working relationship with employees, other agencies, the general public, contractors, building managers, etc. Ability to maintain adequate attendance.

Training and Experience:

Generally, positions in this classification will require:

Three years of responsible experience in supply side plumbing, water system maintenance, large building maintenance mechanic work, plumbing, steam fitting, fire sprinkler system installation or a closely related area. Such experience would normally occur after graduation from an approved high school or trade school or equivalent. Other combinations of training and/or experience which can be demonstrated to result in the possession of the knowledge, skills and abilities necessary to perform the duties of this class will also be considered.

Specific training and experience requirements will be established at the time of recruitment.

Necessary Special Qualifications:

Possession of a valid Driver's License or ability to meet the transportation requirements of the position.

Ability to obtain certification from the State of Wisconsin to (1) conduct cross connection control surveys and (2) test backflow prevention assemblies within the probation/trial period and to maintain such certifications. Failure to obtain the certifications within the probation/trial period will result in the employee not passing probation/trial period, absent extenuating circumstances.

Physical Requirements:

Employees in this position will be expected to lift up to 40 pounds (an ice chest containing ice and water samples). The work requires employees to crouch and bend over to obtain water samples. In addition, employees will need the physical agility and strength necessary to climb, stoop, and access confined spaces to conduct inspections. Work involves walking on uneven surfaces, working around electrical hazards, toxic materials, and in inclement weather to collect samples and perform surveys and site visits.

Department/Division	Comp. Group	Range
Public Works/Water Utility	16	15

Approved: _____
Brad Wirtz
Human Resources Director
Date