

**DEPARTMENT OF PUBLIC WORKS
Engineering Division
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CITY OF APPLETON CROSS CONNECTION PREVENTION POLICY

RESIDENTIAL

The Plumbing Inspector currently inspects all new or remodeled homes for cross connections during construction. In existing homes, cross connection inspections will be performed by a Meter Technician when the water meter is serviced.

Meter Technicians will inspect for cross connections that potentially could occur at all required interior and exterior fixtures connected to the City's water supply. A typical unprotected cross connection is an exterior hose bib or a laundry sink with a threaded hose bib for a hose connection. Other examples of potential cross connections are sump pumps, boilers, water softeners, pools, hot tubs and irrigation systems. Educational materials will be provided in lieu of inspections of low hazard portions of residential or commercial facilities. Low hazard areas consist of normal kitchen and bathroom fixtures.

Per Wisconsin DNR Code NR 810.15, cross connections found will need to be corrected with a State of Wisconsin approved device. Where applicable, City Meter Technicians will install an approved backflow prevention device at unprotected hose threads. Any additional violations found by the Meter Technician will be recorded and turned over to the Plumbing Inspector for corrective measures and re-inspection not more than 30 days after notice of violation is issued. Either the property owner or a licensed plumber at the owner's expense shall make these corrections. The Plumbing Inspector will re-inspect and document the corrective measures taken and will then forward the report to the Water Division for record keeping.

COMMERCIAL

At ten (10) year intervals each commercial establishment including apartment complexes with 3 or more units that does not require a license to operate must provide the City with a compliance statement from a licensed master plumber attesting to compliance with the State Plumbing Code regarding cross-connections. Such statement will be kept on file in the Inspection Division of the Department of Public Works. The City Plumber/Plumbing Inspector will inspect City owned buildings on a ten (10) year cycle. Documentation of inspection will be kept on file in the Inspection Division of the Department of Public Works.

The Health Department on an annual basis inspects commercial establishments that are required to have a license for the sale of food or beverage. If a cross connection violation would be found during the annual inspection, the Plumbing Inspector would be notified of said violation.

If a commercial establishment does not meet State Plumbing Code for cross-connection control, such problem must be immediately rectified as determined by the Inspection Division.

Commercial establishments that are licensed through the State of Wisconsin, such as hospitals, nursing homes, etc. will be inspected for cross connection violations by the State Inspector during routine inspections and by City of Appleton Inspection personnel during remodeling or construction.

INDUSTRIAL

At three (3) year intervals each industrial facility will provide the City with a compliance statement from a licensed master plumber, attesting to compliance with the State Plumbing Code regarding cross-connections. Such statement will be kept on file in the Inspection Division of the Department of Public Works.

New construction facilities will be put in the 3- year cycle after completion of the building. Prior to occupancy of the new facility, the plumbing contractor shall certify compliance with the State Plumbing Code to the City Inspection Division.

If an industry does not meet State Plumbing Code for cross-connection control, such problem must be immediately rectified as determined by the Inspection Division.

HYDRANT USAGE

Contractor access to City water hydrants will be limited to one site located at the Municipal Service Building, 2625 East Glendale Avenue. This hydrant will have a State of Wisconsin approved backflow preventer installed to eliminate the potential for cross connections to the City's water system. This backflow preventer will come equipped with a meter to assure accountability for all water used. The backflow preventer located at this permanent site would be inspected, per State of Wisconsin requirement, once per year by City of Appleton certified cross connection inspector.

The City of Appleton, Water Division will also have six (6) portable backflow preventers for contractors during the construction season to use for jetting purposes. Backflow preventers used for jetting would be inspected, per State of Wisconsin requirement, once per week by City of Appleton certified cross connection inspector.

Appleton Water Division will maintain all test records and send copies to the State of Wisconsin yearly.