



CITY OF NEW RICHMOND  
THE CITY BEAUTIFUL

***CITY OF NEW RICHMOND***  
***CROSS CONNECTION CONTROL PLAN***

March 3, 2015



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## 1. INTRODUCTION

### 1.1. Purpose

The purpose of this document is to outline the City of New Richmond Cross Connection Control policies for all commercial, industrial, public authority, and residential facilities, and is summarized as follows:

- Protect the public water supply from contaminants and pollutants that could backflow through the customer service connection
- Promote the elimination of actual and/or potential cross connections between the public potable water supply from any fixtures or systems containing water or other substances of unknown or questionable quality
- Provide for guidance for an ongoing comprehensive Cross Connection Control Program

### 1.2. Legality

In accordance with the State of Wisconsin Department of Natural Resources (DNR), the City of New Richmond proclaims this program as a continuing effort to maintain clean, safe potable water. By reference to the Wisconsin Administrative Code Department of Natural Resources Environmental Protection Water Supply Chapter 810, Section NR 810.15 and Department of Safety and Professional Services 382-384, we hereby establish the City of New Richmond Cross Connection Control Program. This program was adopted by the hereby above described governing body on \_\_\_\_\_.

## 2. ORDINANCE

**No. 473 CROSS CONNECTION CONTROL AND BACKFLOW PREVENTION  
SECTION NO. 86-132  
CITY OF NEW RICHMOND MUNICIPAL CODE**

ORDINANCE NO. 473  
AN ORDINANCE PROVIDING FOR THE AMENDMENT  
AND RESTATEMENT OF SECTION NO. 86-132 OF THE  
NEW RICHMOND MUNICIPAL CODE

PROVIDING FOR CROSS CONNECTION CONTROL  
AND BACKFLOW PREVENTION

- 1.1 PUBLIC WATER UTILITY ORDINANCE  
1.1 FOR CONTROL OF CROSS CONNECTIONS AND BACKFLOW PREVENTION  
For the Municipal Water System, New Richmond, Wisconsin.

Section 86-132 of the New Richmond Municipal Code is hereby amended to read as follows:

No.86-132 CROSS CONNECTION CONTROL AND BACKFLOW PREVENTION

1. Purpose The purpose of this ordinance is:
- 1.1.1 To protect the health and welfare of users of the public potable water supply of the City from the possibility of contamination or pollution of the potable water system(s) under the direct authority of the City.
- 1.1.2 To promote for the control and/or elimination of existing Cross Connections (actual or potential) between the City's potable water system(s) and other environment(s) containing substance(s) which may contaminate or pollute the water supply.
- 1.1.3 To provide for the maintenance of a continuing Comprehensive Program of Cross Connection Control which will systematically and effectively prevent the contamination or pollution of all potable water system(s) under the direct authority of the City.
2. Definitions.
- a. Backflow: The undesirable flow of water or mixtures of water and other liquids, solids gases or other substances under positive or reduced pressure into the Water System's potable water supply from any source.
- b. Backflow Prevention: the prevention of backflow caused by backpressure or Backsiphonage; most commonly categorized as air gap, reduced pressure principle backflow assembly, double check valve assembly, pressure vacuum breaker assembly, Backsiphonage backflow vacuum breaker (spill resistant pressure vacuum breaker) assembly, pipe applied atmospheric vacuum breaker, flush tank ballcock, laboratory faucet backflow preventer, backflow preventer for carbonated beverage machine, vacuum breaker wall hydrants, (freeze resistant automatic draining type), chemical dispensing machine, hose connection vacuum breaker, hose connection backflow preventer, backflow preventer with intermediate atmospheric vent and barometric loop.
- c. Backflow Preventer; a mechanism or means designed for Backflow Prevention.

- d. Backpressure: An elevation of pressure in the downstream piping system (i.e. pump, elevation of piping, or steam and/or air pressure) above the City supply pressure, which has caused or may cause a reversal of the normal direction of flow.
  - e. Backsiphonage: The flow of water or other liquids, mixtures or substances into the Water System's potable water supply from any source caused by the sudden reduction of pressure in the Water System's potable water supply.
  - f. Cross Connection: Any physical connection or arrangement between two otherwise separate systems, one of which contains potable water from the City, and the other containing water from a private source of unknown or questionable safety or steam, gases, or chemicals, whereby there may be a flow from one system to the other, the direction of flow depending on the pressure differential between the two systems.
  - g. Cross Connection Control Manual: Policies and procedures for Cross Connection control and Backflow Prevention for the City.
  - h. Water System: the City of New Richmond's public water system.
3. Cross Connection Prohibited: No person shall establish or permit to be established or maintain or permit to be maintained any Cross Connection to the Water System, except as expressly permitted in this Ordinance. No Cross Connection shall be established whereby potable water from a private, auxiliary or emergency water supply, other than the public water supply of the City, is connected to the Water System, unless such private, auxiliary or emergency water supply and the method of connection and use of such supply have been approved by the City and the Wisconsin Department of Natural Resources.
  4. Responsibility: The City shall be responsible for the protection of the public potable water distribution system from contamination or pollution due to backflow of contaminants or pollutants through enforcement of this ordinance. The City shall charge fees according to the Cross Connection Control Manual for maintaining a Comprehensive Cross Connection Control Protection Plan.
  5. Owner Responsibility: Each property owner shall be responsible for the protection of its potable water system. Each property owner's responsibilities include the elimination of or protection from all Cross Connections on its premises except as expressly permitted pursuant to this ordinance. Each property owner shall, at its sole expense, install, maintain and test any and all Backflow Preventers on its premises in compliance with the Department of Safety and Professional Services Code SPS 382.21 requirements and the Cross Connection Control Manual. Each property owner shall correct any malfunction revealed by periodic testing of any Backflow Preventer on its premises. Each property owner shall inform the City of any proposed or modified Cross Connections and also any existing Cross Connections that are not protected by an approved Backflow Prevention means.

A property owner shall not install any by-pass around any Backflow Preventer unless there is a Backflow Preventer of the same type in such by-pass. A property owner who cannot shut down its operations for testing of the Backflow Prevention assembly must supply additional assemblies necessary to allow testing and maintenance to take place. In the event a property owner installs any potable water connection using fixtures, equipment or appurtenances upstream of a Backflow Preventer, such connection must have its own approved backflow prevention means.

The property owner is required to follow the protection practices described in the American

Water Works Association publication AWWA M-14 titled "*Recommended Backflow Prevention and Cross Connection Control*", United States Environmental Protection Agency publication titled "*Cross Connection Control Manual*", Wisconsin Department of Safety and Professional Services, SPS 382-384 and the Cross Connection Control Manual, unless the City requires or authorizes other means of protecting the potable water supply system. These requirements or authorizations will be at the discretion of the City.

6. Inspections: It shall be the duty of the City to cause surveys to be made of all properties serviced by the City containing possible Cross Connections with Water System. Residential properties serviced by the City shall be surveyed on a 10-year interval or a longer interval if justified by a meter replacement plan. The City may, but is not required to, perform the Cross Connection survey of any property. All non-residential properties serviced by the City shall be surveyed on an interval not exceeding two (2) years, as determined by the City. If, the City is not able to perform the survey, a property owner must, at the owner's expense, have the water system piping surveyed for Cross Connections by a person approved by the City who has proper training and experience as a Cross Connection Control Surveyor. The City may charge fees as approved by the State of Wisconsin Public Service Commission for on-premises follow-up visits by City personnel for re-inspection due to customer noncompliance and for after hours inspections or re-inspections.
7. Right of Entry: Upon presentation of credentials, representatives of the City shall have the right to request entry at any reasonable time to examine property served by a connection to the public potable water system of the City for Cross Connections. If entry is refused, such representatives shall obtain a special inspection warrant under Wisconsin Statutes Section 66.122. The City shall charge the property owner a fee of \$100.00 per day for refusal to allow entry to examine the owner's property. Upon request, the owner, lessee or occupant of any property served shall furnish to the inspection agency any pertinent information regarding the piping system on such property.
8. Violations: If an inspection reveals violations of this ordinance or the Cross Connection Control Manual the property owner shall be informed in writing. Such written notice shall include a description of the violation(s), a description of the necessary corrective measures, a deadline for implementing the corrective measures, and a listing of the consequences for non-compliance, including discontinuation of service and payment of fines, as set forth in this ordinance and the Cross Connection Control Manual.
9. Authority to Discontinue Service: The City is hereby authorized and directed to discontinue water service to any property wherein any connection in violation of this ordinance exists and to take such other precautionary measures deemed necessary to eliminate any damage of contamination of the potable water system. Water service shall be discontinued if the means of Backflow Prevention required by the City is not installed, tested, maintained and/or repaired in compliance with this ordinance, the Department of Safety and Professional Services Code SPS 382-384 and the Cross Connection Control Manual, or if it is found that the means of Backflow Prevention required by this ordinance has been removed or bypassed. Water service shall be discontinued only after reasonable notice and opportunity for hearing, except as provided in subsection eleven (11) of this ordinance.
10. Reconnection of Service: Water service to any property disconnected under provisions of this ordinance shall not be restored until the Cross Connection(s) has been eliminated or a Backflow Prevention means approved by the City has been installed in compliance with the provisions of this section. The City shall charge fees as approved by the State of Wisconsin Public Service Commission for the reconnection of the water service.

11. Emergency Discontinuance of Service: If it is determined by the City that a Cross Connection or an emergency related to the Water System endangers public health safety or welfare and requires immediate action, water service may be immediately discontinued to any property. Any owner, lessee or occupant impacted thereby shall have an opportunity for hearing on such emergency discontinuance under Chapter 68, Wisconsin Statutes within 10 days of demand for such hearing. Such hearing shall be before the City's Water Utility Committee and shall conform to all existing due process requirements.
  
12. Additional Protection: In the case of a property having (a) Cross Connections that cannot be permanently corrected or controlled, or (b) intricate plumbing and piping arrangements or where entry to all portions of the premises is not readily accessible for surveying purposes, making it impractical or impossible to ascertain whether or not dangerous Cross Connections exist, the Water System shall be protected by installing any necessary Backflow Prevention means in the service line for the property, at the sole cost of the property owner. In the case of any premises where there is any liquids, substances, gases or other materials dangerous to health that, in the opinion of the City, may create a hazard to the public water supply system, an approved air gap separation or an approved reduced pressure principle backflow assembly shall be installed, at the owner's expense, to protect the Water System. Examples of premises where these conditions will exist include premises with auxiliary water supplies either interconnected or not interconnected with the public water supply system, premises where inspection is restricted, hospitals, mortuaries, clinics, laboratories, piers, docks, and other water front facilities, sewage treatment plants, sewage lift stations, food and beverage, processing plants, chemical plants using a water process, metal processing plants or nuclear reactors, car washing facilities and premises with reclaimed water systems. In the case of any presence of toxic substances, the City may require an approved air gap or reduced pressure principle backflow assembly at the service connection to protect the public water supply system. This requirement will be at the discretion of the City.
  
13. Public Water Supplies: This section does not supercede the State of Wisconsin Department of Natural Resources Administrative Code NR 810, but is supplementary to it.
  
14. Plumbing Code: The New Richmond Water Utility Committee adopts by reference the Wisconsin Safety and Professional Services being Chapter SPS 382-384, Wisconsin Administrative Code. This section does not supercede the Wisconsin Uniform Plumbing Code and/or the New Richmond Plumbing Code, but is supplementary to it.
  
15. Conflicting ordinances: All ordinances or parts of ordinances, in conflict herewith are hereby repealed.
  
16. Effectiveness. This ordinance shall take effect upon its adoption and publication.

Approved and adopted this 1<sup>st</sup> day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Fred Horne, Mayor

ATTEST:

\_\_\_\_\_  
Tanya Reigel, City Clerk

DATE OF PUBLICATION: \_\_\_\_\_

### 3. AUTHORITY

The New Richmond Utilities shall be the Authority and Administrator of the Cross Connection Control Program. This shall include, but not be limited to:

- Inspections
- Requirements/Recommendations
- Data Management
- Public Relations
- Educational materials
- Notifications
- Periodic Re-inspections

#### 3.1. Inspector/Designated Agent

The City of New Richmond or Designated Agent (Authority/Agent) conducting inspections on behalf of the City of New Richmond must be designated/approved by the New Richmond Water Utility. The Authority/Agent must meet both 1) an experience component and 2) a training component.

#### 3.2. Other Applicable Laws

The Authority shall conduct this Cross Connection Control Program in accordance with:

- The City of New Richmond ordinance 473, section 86-132
- Local District/County Health Department Standards relating to cross connection control
- The following chapters of the Wisconsin Administrative Code:
  - DSPS. 332 *Public Employee Safety and Health*
  - DSPS. 381 *Definitions and Standards*
  - DSPS. 382 *Design, Construction, Installation, Supervision, Maintenance and Inspection of Plumbing*
  - DSPS 382 *Appendix*
  - DSPS. 384 *Plumbing Products*
  - DSPS. 384 *Appendix*
  - DSPS. 3145 *Plumbing and Fire Protection Systems and Swimming Pool Plan Review*
- Any other applicable laws affecting public health protection through cross connection control

## 4. INSPECTIONS

### 4.1 Rights of Inspection

Authorized employees/contractors, having proper identification, shall be permitted to enter the building/premises at reasonable times for the purpose of inspection for the presence or absence of cross connections, testing, repair and maintenance of any part of the plumbing system or any cross connection control device connected to the water system. The Authority shall impose fines or deny/discontinue after reasonable notice to the occupants, water service to any building/premises for refusal or failure to arrange for a cross connection inspection. The Authority shall deny or discontinue water service if there is reason to believe the building/premises pose a potential for danger to the public and/or occupants.

### 4.2 Responsibility of Owner

The Owner of the property shall be responsible for the protection of the public water supply from contamination due to backflow through the Owner's water service connection. The Authority may require Owners at their own expense to install, alter, replace, or repair any plumbing connected to the public water system that may pose a threat to public health. Failure, refusal or the inability on the part of the Owner to correct any deficiency or violation shall be unlawful and the Authority may impose fines or deny/discontinue water service to the building/premises.

### 4.3 Initial Inspections

Facilities, as defined in Section 1.1, and connected to the public water system shall be inspected by a Cross Connection Control Inspector. The facility's water use practices shall be reviewed to determine whether there are actual or potential cross connections to the plumbing system through which contaminants or pollutants could backflow into the plumbing system or the public water supply. This type of inspection must be done as defined in Section 5.0, and will range from once every two (2) to six (6) years depending on the degree of hazard recorded with the Authority. Residential homes will be inspected at the same rate designated for the meter exchange rate, every (10) to (20) years.

### 4.4 Inspection Notification

An attempt to notify the facility owner shall be made prior to the inspection. This Inspection Notice will contain the following information:

Reason for inspection

Inspection date or range of dates

Contact telephone number to contact for scheduling/questions

The Inspection Notice will be mailed to the property to be inspected approximately 5 days prior to the range of dates selected for the scheduled inspection.

While either the building/premises owner and/or Authority/Agent can request a change in inspection date, the Authority/Agent still reserves the right to enter any building/premises unannounced for the sole purpose of inspecting for cross connections. Refusal of entry by the building/premises constitutes a violation of this program and the Authority can enforce code actions, impose fines or deny/discontinue water service as applicable.

**Residential Inspection Notice:**

**NOTICE:**

New Richmond Utilities will be performing a **DNR REQUIRED** visual survey. The survey of all city water connections is to prevent or eliminate any possible contamination of the water supply. The cross connections survey will take approximately 15 minutes to complete. Please call us at 715-243-0436 to schedule an appointment within **30** days. Our utility workers carry photo ID's – feel free to ask to see them. We appreciate your cooperation.

Failure to schedule include daily fines or water disconnection

**New Richmond Utilities**  
156 E 1<sup>st</sup> Street  
New Richmond, WI 54017



**Residential Meter Upgrade/Inspection Notification:**

**NOTICE:**

New Richmond Utilities will be upgrading water meters and completing a cross connection inspection within the next **30** days. If no one is normally home between 7:30 and 3:30 please call us at 715-243-0436 to set up an appointment. The upgrade and inspection will take approximately 20 minutes to complete. Our utility workers carry photo ID's – feel free to ask to see them. We appreciate your cooperation during this transition.

Failure to schedule may result in water disconnection or daily fines.

**New Richmond Utilities**  
156 E 1<sup>st</sup> Street  
New Richmond, WI 54017



## Commercial Inspection Notice

<<Date>>

<<SendTo>>

**RE: <<Facility>> at <<Address>>**

Dear <<Contact>>,

The purpose of the City of New Richmond Cross Connection Control Program, as defined in Ordinance 473, section no. 86-132 is to help prevent the possible contamination of the public water distribution system. There are two required components of the program; 1) site inspection, and 2) registration of backflow prevention assemblies.

The Wisconsin Department of Natural Resources requires a survey of every facility connected to the public water supply. Hydro Corp may also be assisting us to conduct these surveys.

As part of this program, an inspection of your facility's internal water system is to be completed. Inspectors will be reviewing your water system for connections that could possibly contaminate the water distribution system. The inspection is tentatively scheduled for <<InspectionDate>. If you need to schedule a specific time please contact our office at 715-243-0436. The inspection must be completed during normal business hours of 7:00AM – 3:30PM.

There are **no fees** for the inspection(s); however, all costs associated with the replacement, modification, installation and/or testing of backflow prevention assemblies remains the obligation of the property owner/manager.

You will be notified following the inspection if modification(s) and/or testing of backflow prevention assemblies are necessary. We look forward to working with you in protecting the drinking water supply. If you have any questions or concerns, please contact **Marty Powers** with New Richmond Utilities at **715-243-0436** between 7:00am and 3:30pm.

<<CCInfo>>

#### 4.5 Inspection Forms

An Inspection Form (electronic or hard copy) shall be used in every inspection, as required, and will be filed in a location as identified by the Authority/Agent along with other pertinent information accumulated.

#### 4.6 Inspection Procedures

Cross connection control inspections shall be completed as follows:

- a) Identify building/facility to be inspected and send inspection notice in advance.
- b) Meet on-site with facility contact/owner.
- c) Explain the Cross Connection Control Program to the facility contact/owner before inspection of the facility.
- d) Provide educational brochure in lieu of inspecting kitchen and bathrooms. (Residential inspections only)
- e) Inspect the building /premises and complete the inspection forms with the following information:
  - Identify facility type/classification and on-going inspection frequency based on the degree of hazard
  - Identify all building/premises water use equipment. Examples: water softeners, toilet ball cock assemblies, lawn sprinkling systems, hose aspirators, swimming pools, dry/liquid fertilizer feed, solar installations, hose outlets and laundry tubs
  - Confirm individual contact data
  - Do they have a secondary/auxiliary source of water (private well)?
- f) Identify isolation hazards utilizing the Inspection Form. A diagram of the system may be requested or required.
- g) Visually review all exposed piping and water outlets/uses.
- h) Complete all forms, as required, to identify situation.

#### 4.7 Exit Interview

After completing the inspection, the inspector will review with the facility contact/owner the cross connections found. If it is possible or necessary, the Inspector may request that the cross connections be addressed immediately. The Inspection Form will be signed by the Inspector and facility/owner during the exit interview.

#### 4.8 Inspection Compliance Notification

Upon completion of an inspection, a facility having no cross connections, or that has addressed all existing or potential cross connections will receive a carbon copy inspection form or mailed a letter indicating compliance/no further action required.

#### 4.9 Initial Inspection Non-Compliance Notification

After the initial inspection, a Notice of Non-Compliance will be handed or sent to each building/premises having unprotected cross connections. The Notice of Non-Compliance will include the time allocated for compliance\*.

- \* The Authority reserves the right to adjust the number of days allocated for compliance based on the degree of hazard associated with existing and/or potential cross connections

#### 4.10 Request for Internal Cross Connection Control Information

The Authority has the legal right to request specific cross connection control information to include but not limited to piping information, piping drawings or information related to a specific point of water use in relation to cross connections. The Authority shall issue a request notice for any one of the following:

- Facility is determined by the Inspector to be large and/or complex requiring considerable amount of additional time to inspect
- Facility does not allow for free and unlimited access to areas requiring inspection/survey
- Piping configurations are too complex or complicated
- Piping is not readily accessible (i.e. concealed piping)
- Multiple piping systems
- Inadequate piping identification
- Facility changes their plumbing configurations on a regular frequency
- Secondary/auxiliary water sources
- Manufacturing/use of industrial fluids in piping systems or facility operations
- Refusal of entry
- No current as-built/engineering drawings of the potable water system

If the Authority/Agent is not able to complete an inspection the property owner must, at their own expense, have the plumbing inspected for cross-connections by a certified firm or individual that has met the requirements in Section 3.1.



## Cross Connection Survey

\*This survey is being performed in accordance with: NR 810.15, Chapter-SPS 381, 382, 384 and the Local Municipal Ordinance #473, section 86-132 for Cross Connection Control to ensure safe drinking water.

**Inspection date** \_\_\_\_\_ **Compliant?** YES (no further action required) / NO (see table below for corrective action)

**Follow-up inspection** \_\_\_\_\_ (date found compliant) **Initials** \_\_\_\_\_

Name (Occupant) \_\_\_\_\_

Address \_\_\_\_\_ City, State \_\_\_\_\_

Phone \_\_\_\_\_ Survey Frequency (years) \_\_\_\_\_

Fixture Type	Approved	Location/Description	Approved Device
Water Softener Drain	Y / N		ASME A112.1.2 ASME A112.1.3
Utility Sink	Y / N		ASSE 1011 ASSE 1052
Inside Hose Bibb(s)	Y / N		ASSE 1011 ASSE 1052
Toilet(s)	Y / N	(Brochure)	ASSE 1002
Urinal (s)	Y / N		ASME A112.19.2 ASSE 1037
Boiler	Y / N		ASSE 1012 Low Hazard ASSE 1013 High Hazard
Humidifier	Y / N		ASME A112.1.2
Outside Hose Bibb(s)	Y / N		ASSE 1019 ASSE 1011 ASSE 1052
Lawn Irrigation	Y / N		ASSE 1001 ASSE 1020 ASSE 1056 ASSE 1013
Hand Held Shower(s)	Y / N	(Brochure)	ASSE A112.18.1 ASSE 1014
Fire Protection	Y / N		ASSE 1013 ASSE 1015 ASSE 1048 ASSE 1047
Kitchen Faucet/Sprayer	Y / N	(Brochure)	ASME A112.18.1
Private Well	Y / N		
Other	Y / N		
Other	Y / N		
Other	Y / N		

NOTES:

The Water Operator will verify that any deficiencies have been corrected in 30 days. Please call New Richmond Water Utilities at (715) 243-0436 when items have been corrected to set up a specific time for your follow up inspection.

Consequences for non-compliance include, discontinuation of water service after reasonable notice and an opportunity for a hearing and/or fines of \$100/day.

If you want to appeal this determination, you must submit a written request for review to the City of New Richmond within 30 days. The City will review this determination within 15 days.

Customer Signature: \_\_\_\_\_

Water Operator Signature: \_\_\_\_\_

\*Backflow Prevention Devices, Assemblies and methods must conform to the following National Standards as indicated in WI Dept. of Safety & Professionals Services Chapter SPS 382.41.

1. ASME 112.1.2 Air Gap – The unobstructed vertical distance between the lowest point of any pipe, faucet or fixture and the FLOOD LEVEL RIM of the receptor into which it is discharging.
2. ASSE 1011\* Hose Bibb Vacuum Breaker (for indoor use).
3. ASSE 1002\* Anti-Siphon Ball Cock for Gravity Water Closet Flush Tanks.
4. ASSE 1012 Vented Dual Check Valve – For supplies to untreated boilers with less than 15 psig steam or maximum water pressure of 30 psig.
5. ASSE 1019 Hose Bibb Integrated Vacuum Breaker, freeze resistant automatic draining type.
6. ASSE 1011\* Anti-Frost Hose Bibb Vacuum Breaker – for use on outside hose bibbs where it could be exposed to freezing.
7. ASSE 1013 Reduced Pressure Principle Backflow Prevention Assembly-Requires State registration and annual testing by a certified tester.
8. ASSE 1014 Vacuum breaker for hand held showers.
9. ASSE 1001 Atmospheric Vacuum Breaker – Critical Level of AVB must be installed at least 6” above all downstream piping and no valves downstream.
10. ASSE 1020 Pressure Vacuum Breaker – This assembly is not allowed for indoor installations. Requires State registration & annual testing by a certified tester.
11. ASSE 1056 Spill-Resistant Vacuum Breaker – Critical Level of SVB must be installed at least 6” above all downstream piping. Requires State registration & annual testing by a certified tester.
12. ASME A112.1.3 Air-gap Fittings for use with plumbing fixtures and appliances.
13. ASME A112.18.1 Plumbing Supply Fittings.
14. ASSE 1053 Dual Check Backflow Preventer Wall Hydrant Freeze Resistant Type.
15. ASSE 1052 Hose Connection Backflow Preventers.

\*These backflow preventers can be found at hardware stores, including Farm & Home. ALL other requirements will require a plumber for installation.

This survey is being performed in accordance with the local Cross Connection Control Program; NR 810 and SPS 382 Wisconsin Administration Code and the Local Municipal Ordinance 473, section 86-132 for Cross Connection Control Safety.

Please call (715) 243-0436 for questions or to set up a specific time for your follow up inspection.

[nruwater@newrichmondwi.gov](mailto:nruwater@newrichmondwi.gov) or [mpowers@newrichmondwi.gov](mailto:mpowers@newrichmondwi.gov)

Non Compliance follow-ups

#### 4.11 Request Notice for Internal Cross Connection Control Information

The Request Notice For Internal Cross Connection Control Information shall contain the following information:

- Reason for the request
- Approved contractor requirements
- Contracted performance insurance requirements
- Time allocated to submit the cross connection survey report to the Authority

Failure or refusal to comply with this request shall be unlawful and the Authority may impose fines or deny/discontinue water service to the building/premises.

#### 4.12 Submission of Internal Cross Connection Control Information

Information that must be included is as follows:

- Methodology used to conduct the survey
  
- General facility overview
  
- List of violations/requirements - information must include the following:
  - Type of backflow prevention device to be installed
  - Size of backflow prevention device to be installed
  - Location description/remarks to include what the backflow prevention device will be supplying
  
- List of all existing backflow prevention devices (both testable and non-testable). Information that must be included is as follows:
  - Type of backflow prevention device installed
  - Size of backflow prevention device installed
  - Manufacturer of backflow prevention device to include:
    - Model
    - Serial number
  - Location description/remarks
  
- A proposed plan for the correction of violations/requirements must be submitted along with a proposed time table for completion
  
- Drawings of the facility's potable water piping system may be required

Information can be submitted to the Authority/Agent in an electronic file format or hard copy.

#### 4.13 Bulk Water Stations

Bulk Water Fill Stations shall be inspected to ensure they are properly protected against backflow in accordance with NR 811.07. At a minimum all Bulk Water Loading Stations shall be installed with either (1) a free air break to prevent backsiphonage of contaminated water or other substances or (2) a reduced pressure backflow prevention assembly installed on the supply line to the loading station. All hoses and other connections at loading stations shall be installed in such a manner that they cannot be contaminated by contact with the ground.

#### 4.14 Educational Material

Frequency for providing educational material:

Residential brochure – at time of inspection and every three years

Commercial/Industrial brochure – sent with inspection notices

# WHAT IS A CROSS CONNECTION?

## Did you know?

The Safe Drinking Water Act of 1974 established national standards for drinking water. State and local governments or water utilities are charged with enforcing these standards, protecting the public water supply, and delivering safe drinking water. Yet cross connections can contaminate drinking water without anyone realizing it.

## What is a cross connection?

A cross connection is an unprotected direct (or potential) connection between drinking water piping and a contamination source. This can be as simple as a garden hose that is submerged in a swimming pool, a bucket of detergent, or other contaminated water. Other examples are supply lines connected to boilers, process equipment, or bottom-fed tanks.

Under certain conditions, cross connections can allow tainted water to flow backward through the piping system and contaminate the drinking water. This is called backflow, and it's caused by two types of pressure changes: backsiphonage and backpressure.

## What is backsiphonage?

Backsiphonage is caused by negative pressure from a vacuum (or partial vacuum) in the supply piping, just as drinking through a straw draws liquid from a glass. Backsiphonage can be created when there is stoppage in the water supply due to repairs or breaks in the city main; an increased demand at one location, such as fire fighting; or even undersized piping. Backsiphonage reverses normal flow in the system, and can pull contaminants into the drinking water.

## What is backpressure?

Backpressure reverses normal system flow. It occurs when downstream water pressure is greater than the water supply pressure. This can occur in any pressurized system such as boilers, elevated tanks, or recirculating systems. For example, water in a boiler operating under a pressure of 15-20 psi would backflow into the potable water if its supply pressure fell below this level. Sometimes this pressure drop can be created just by flushing a toilet!

## Do state and/or local regulations cover cross connections?

Yes. Unprotected cross connections with potable piping systems are prohibited, and Wisconsin water utilities have a mandatory cross connection control inspection program, as outlined in the Wisconsin Administrative Code, Department of Natural Resources, Chapter 810, section NR 810.15, and also the Department of Safety & Professional Services (formerly Department of Commerce), Comm 82. Plumbing and health officials, municipalities, and property owners have established a cooperative program to control cross connections and protect the public drinking water supply.

## What's the difference between pollution and contamination?

Pollution of the water supply is usually caused by nontoxic substances, and often does not constitute an actual health hazard, although water may be nonpotable and affected with respect to taste, odor, or utility. Contamination, however, is a health hazard caused by a toxic substance, which subjects consumers to potentially lethal water-borne diseases or illnesses.

## What is the difference between toxic and nontoxic substances?

Toxic substances are liquids, solids, or gases which, when introduced into the water supply, can endanger the health and well-being of consumers; examples include treated boiler water, heavy metals, industrial chemicals, and pesticides. Nontoxic substances are nuisances and/or aesthetic hazards that pollute, but don't contaminate, potable water; these include food, beverages, and debris.

## What does "degree of hazard" mean?

This determines whether and to what extent a substance is a toxic contaminant and, by extension, a health hazard, or a nontoxic pollutant that generally presents an aesthetic hazard. Both types of substances can make drinking water nonpotable. Determining the degree of hazard helps determine the most appropriate type of backflow prevention device.

## What methods or products protect against backflow?

Once the degree of hazard has been determined, the proper backflow prevention device can be installed. Plumbing specialists, working with municipal officials, determine which device is best suited to each situation. Five basic methods are used:

- 1) Air gap
- 2) Atmospheric vacuum breakers, including hose connection vacuum breakers
- 3) Pressure type vacuum breakers
- 4) Double check valve assembly
- 5) Reduced pressure principle backflow preventers.

Many cross connections can be corrected with a simple hose bib (faucet) vacuum breaker. This means equipping each hose connection, both outside and inside, with a simple and inexpensive vacuum breaker that can be obtained from hardware stores or plumbing shops for under \$10 each. In other instances, more elaborate protective devices may be necessary.

Commercial/Industrial brochure (tri-fold):

**How often do I need to have my backflow prevention assembly tested?**

Backflow prevention assemblies must be registered through the Wisconsin Department of Safety and Professional Services and tested upon installation, any time maintenance is conducted on the assembly and at least once a year thereafter by a certified tester.

**Will my business be inspected?**

Wisconsin Administrative Code requires plumbing and piping systems in business and industrial facilities to be checked periodically for actual and potential cross connections. These inspections or surveys are performed by municipal water department personnel or trained individuals acting on behalf of the water authority. Your cooperation helps ensure safe drinking water for everyone.

**What should I do?**

Let your city water department evaluate and protect your drinking water safety. The best way to do this is to give municipal field Specialists easy and courteous access to your plumbing system when they arrive. Many inspections take as little as 20-30 minutes; more complex sites take longer. Remember, we're all in this together - and together we can work to keep your drinking water safe.

**Resources:**

State of Wisconsin, Department of Natural Resources (DNR)  
<http://www.dnr.wi.gov/>

Wisconsin Department of Safety & Professional Services  
(Formerly Department of Commerce):  
<http://dps.wi.gov/sb/SB-HomePage.html>

U.S. Environmental Protection Agency (EPA), Ground and Drinking Water:  
[www.epa.gov/safewater](http://www.epa.gov/safewater)

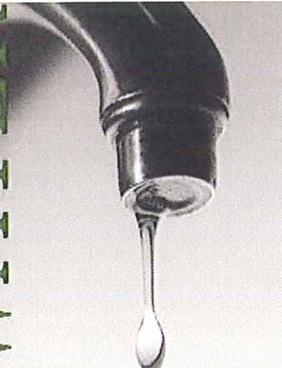
Public Service Commission of Wisconsin (PSC):  
<http://psc.wi.gov>

Cross Connection Control Assembly Registration & Testing Information:  
<http://dps.wi.gov/sb/SB-PlumbingCccaTestsRegisters.html>

Hydro Designs, Inc.  
2665 S. Moorland Rd., Ste. 209  
New Berlin, WI 53151  
(800) 315-4305 or (262) 264-6402  
Fax: (262) 784-6106  
[www.hydrodesignsinc.com](http://www.hydrodesignsinc.com)



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**DRINKING WATER**

**Cross Connection Safety & Prevention**

**Could you be contaminating your drinking water?**

**Residential brochure (tri-fold):**

**Did you know...**

Your water can become contaminated if connections to your plumbing system are not properly protected!

The purpose of the local Cross-Connection Control Program, as required by State Plumbing Code and Regulations, is to ensure that everyone in the community has safe, clean drinking water.

**Public Health & Safety....**

To avoid contamination, backflow preventers are required by state plumbing codes wherever there is an actual or potential hazard for a cross-connection. The Wisconsin Department of Natural Resources requires all public water suppliers to maintain an on-going Cross-Connection Control Program involving public education, onsite inspections, and possible corrective actions by building owners if required.

**More Information**

WI Department of Safety and Professional Services (formerly DOC)  
[www.dps.wi.gov](http://www.dps.wi.gov)

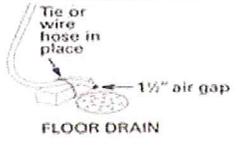
WI Department of Natural Resources  
[www.dnr.wi.gov](http://www.dnr.wi.gov)

Environmental Protection Agency (EPA)  
[www.epa.gov](http://www.epa.gov)

Cross-Connection Control / Backflow Prevention  
[www.hydrodesigntinc.com/wicc.html](http://www.hydrodesigntinc.com/wicc.html)



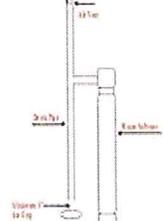

**156 East First Street**  
**New Richmond, WI 54017**  
**Office: 715-246-4167**  
**Shop: 715-243-0436**



**Hose bibb vacuum breaker**

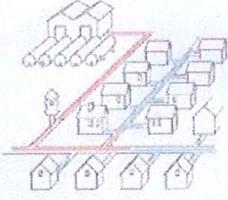


**Optional Air Gap**


**Residential Water User Cross-Connection Hazards**

**Bathrooms & Kitchens**



**We're All Connected.....**

Maintaining the integrity of your public drinking water system.

## Residential brochure (tri-fold):

### What is a Cross-Connection?

A cross-connection is an actual or potential connection between the safe drinking water (potable) supply and a source of contamination or pollution. State plumbing codes require approved backflow prevention methods to be installed at every point of potable water connection and use. Cross-Connections must be properly protected or eliminated.

### How does contamination occur?

When you turn on your faucet, you expect the water to be as safe as when it left the treatment plant. However, certain hydraulic conditions left unprotected within your plumbing system may allow hazardous substances to contaminate your own drinking water or even the public water supply.

Water normally flows in one direction. However, under certain conditions, water can actually flow backwards; this is known as Backflow. There are two situations that can cause water to flow backward: back siphonage and backpressure.

### Backsiphonage

May occur due to a loss of pressure in the municipal water system during a fire fighting emergency, a water main break or system repair. This creates a siphon in your plumbing system which can draw water out of a sink or bucket and back into your water or the public water system.

### Backpressure

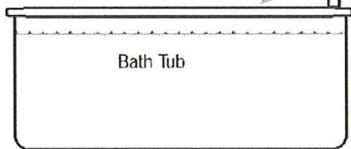
May be created when a source of pressure (such as a boiler) creates a pressure greater than the pressure supplied from the public water system. This may cause contaminated water to be pushed into your plumbing system through an unprotected cross-connection.

### In the Bathroom - Hand Held Shower Fixture

The hand held shower fixture is compliant if:

- When shower head is hanging freely, it is at least 1" above top of the flood level rim of the receptor (tub)
- Complies with ASSE #1014
- Has the ASME code 112.18.1 stamped on the handle

1" Minimum AIR GAP Above Tub From Fixture Outlet

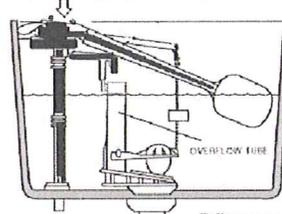


### In the Bathroom - Toilet Tanks

There are many unapproved toilet tank fill valve products sold at common retailers which do not meet the state plumbing code requirements for backflow prevention.

- Look for the ASSE #1002 Standard symbol on the device and packaging
- Replace any unapproved devices with an ASSE #1002 approved anti siphon ball-cock assembly. Average cost is typically \$12 to \$22 at home improvement stores
- Verify overflow tube is one inch below critical level (CL) marking on the device

#### ASSE #1002 Approved Ball Cock Assembly



Toilet water tank

### Insights to protect your drinking water

#### Do...

- Keep the ends of hoses clear of all possible contaminants.
- Make sure dishwashers are installed with a proper "air gap" device.
- Verify and install a simple hose bibb vacuum breaker on all threaded faucets around your home.
- Make sure water treatment devices such as water softeners have the proper "air gap", which is a minimum of one inch above any drain.

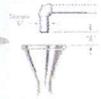
#### Hose bibb Vacuum Breaker



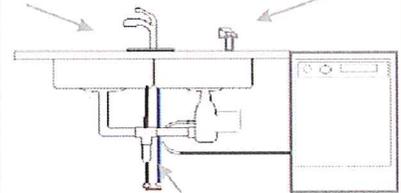
#### Don't...

- Submerge hoses in buckets, pools, tubs, sinks or ponds.
- Use spray attachments without a backflow prevention device.
- Connect waste pipes from water softeners or other treatment systems directly to the sewer or submerged drain pipe. Always be sure there is a one inch "air gap" separation.

#### Air Gap



### In the Kitchen



Hoses and water treatment devices may create a potential backflow hazard if not properly isolated with backflow prevention methods.

## 5. PERIODIC MONITORING

### 5.1. Subsequent Inspection Frequency

Subsequent inspection frequency will be determined by the degree of hazard existing within the facility. The term degree of hazard shall be derived from the evaluation of conditions within a facility which can be classified as either a pollution or contamination hazard. Degree of hazard shall be determined by the Authority or Designated Agent.

### 5.2. Re-inspection Frequency – Determination

The re-inspection frequency is based on the "degree of hazard" assigned to a facility and will range from every two (2) to six (6) years for commercial and ten (10) to twenty (20) years for residential. The re-inspection frequency will be determined by the Authority/Agent based on the assessed degree of hazard.

### 5.3. Re-inspection Frequency – Criteria

- High hazard facilities every two (2) years - examples: Medical, Industrial/Manufacturing facilities, Car Washes, Mortuaries, Labs, Waste Water Treatment Plants, Marina's, Greenhouses/Nurseries, etc.
- Low hazard facilities every six (6) years – examples: Retail Outlets, Condominiums, Storage Buildings, Restaurants, Office Buildings, etc.
- Residential homes will be re-inspected every ten (10) to twenty (20) years based on the meter exchange frequency. Educational material will provided at least every three (3) years to all residential homes.

### 5.4. Inspection Compliance Procedure

Upon notification from the facility that all violations have been corrected and the necessary backflow prevention devices are properly installed, a compliance re-inspection will be conducted as outlined in Sections 4.6 and 4.8 of this plan.

Upon completion of the compliance re-inspection, a facility having no cross connections, or having addressed all existing or potential cross connections, may receive a copy of the inspection report indicating compliance.

5.5. Inspection Non-Compliance Notification #2

DATE: \_\_\_\_\_

**NON-COMPLIANCE NOTICE 2**

THE INSPECTOR NEEDS TO VERIFY  
THAT ANY CROSS CONNECTION  
DEFICIENCIES HAVE BEEN CORRECTED.

PLEASE CALL THE NEW RICHMOND  
WATER DEPARTMENT TO SET UP AN  
APPOINTMENT.

LOCAL MUNICIPAL ORDINANCE 473  
SECTION 86-132 AND ADMIN CODE NR  
810.15 STATES WE CAN DISCONNECT  
SERVICE OR IMPOSE FINES OF \$100 PER  
DAY IF NOT ALLOWED TO SURVEY AND  
APPROVE THE CROSS CONNECTIONS THAT  
HAVE BEEN IDENTIFIED.

*ENFORCEMENT ACTION WILL TAKE PLACE  
2 WEEKS FROM ABOVE DATE*

***ANY QUESTIONS PLEASE CALL:***

**NEW RICHMOND WATER DEPARTMENT**

**SHOP: 715-243-0436**

**OFFICE: 715-246-4167**

Failure to comply with the *Inspection Non-Compliance Notification #1* within the number of \*days as determined by the Authority will result in issuing a second notice of inspection non-compliance. The facility will be given a specific time frame to comply with *Inspection Non-Compliance Notification #2*.

- \* The Authority reserves the right to adjust the number of days allocated for compliance based on the degree of hazard associated with existing and/or potential cross connections.

Alternative

Commercial Inspection Non-Compliance Notice #2

<<Date>>

<<SendTo>>

**RE: <<Facility>> at <<Address>>**

Dear <<Contact>>,

The purpose of the City of New Richmond Cross Connection Control Program, as defined in Ordinance 473, section no 86-132 is to help prevent the possible contamination of the public water distribution system.

The Wisconsin Department of Natural Resources requires a survey of every facility connected to the public water supply. We are also working with Hydro Corp to conduct these surveys.

As part of this program, an inspection of your facility's internal water distribution system was completed on <<InspectionDate>>. Inspectors reviewing your water system identified cross connections that could possibly contaminate the public water distribution system. **A copy of notification was left with you or sent outlining the required corrective measures.**

Requirements on this list must be addressed using only State of Wisconsin approved backflow prevention devices and assemblies. A licensed plumber should be able to assist you with acquiring approved backflow prevention devices and assemblies. Some backflow prevention devices, or assemblies, require testing by a Wisconsin Registered Tester, and also pre-installation approval from the Department of SPS. **All testable assemblies must be tested immediately at the time of installation by a state certified tester.**

**Required Action:**

These requirements must be completed by <<Response due date>> . After the requirements have been completed, please call 715-243-0436, before the date listed above to schedule a compliance inspection.

**Failure to do so may result in fines or the discontinuation of water service as authorized by the local Cross Connection Control Ordinance.**

To arrange for compliance review or if you any questions, please contact **Marty Powers** with New Richmond Utilities at 715-243-0436 between the hours of 7:00am and 3:30pm.

5.6. Termination of Water Service/or Fines

Termination\* of water service/or Fines will be for any of the following reasons:

- a) Immediate health threat, will result in immediate termination of water service
- b) Non-compliance (i.e.: Failure to test devices and submit device test forms or refusal to comply with the requirements as outline in the Requirements Form)
- c) Refusal of entry

\* Termination/Fining procedures to be determined by the Authority

5.8 Shut-Off Notification

Failure to comply with the Inspection Non-Compliance Notification #2 within the number of days as determined by the Authority will result in issuing an Inspection Shut-Off Notice, this notice may be a letter, phone call, door tag or other means of service as deemed necessary by Authority. The water shut off date will be one week from the date of notification.

**Residential Final Notice**

DATE: \_\_\_\_\_

**NON-COMPLIANCE 3  
SHUT OFF OR FINE NOTICE**

THE INSPECTOR NEEDS TO VERIFY  
THAT ANY CROSS CONNECTION  
DEFICIENCIES HAVE BEEN  
CORRECTED.

PLEASE CALL THE NEW RICHMOND  
WATER DEPARTMENT TO SET UP AN  
APPOINTMENT.

LOCAL MUNICIPAL ORDINANCE 473  
SECTION 86-132 AND ADMIN CODE NR  
810.15 STATES WE CAN DISCONNECT  
SERVICE OR IMPOSE FINES IF NOT  
ALLOWED TO SURVEY AND APPROVE  
THE CROSS CONNECTIONS THAT  
HAVE BEEN IDENTIFIED.

***ENFORCEMENT ACTION WILL TAKE  
PLACE 1 WEEK FROM ABOVE DATE***

**ANY QUESTIONS PLEASE CALL:**

**NEW RICHMOND WATER DEPARTMENT**

**SHOP: 715-243-0436**

**OFFICE: 715-246-4167**

Commercial Inspection Shut-Off/or Fine Notice



<<Date>>

<<SendTo>>

RE: <<Facility>> at <<Address>>

Dear <<Contact>>,

The purpose of the City of New Richmond Cross Connection Control Program, as defined in Ordinance 473, section 86-132 is to help prevent the possible contamination of the public water distribution system.

As part of this program, an inspection of your facility's internal water distribution system was completed on <<InspectionDate>>. Inspectors reviewing your water system identified cross connections that could possibly contaminate the public water distribution system. **Two - (2) previous non-compliance notifications have been delivered to you.**

We presently have no record or notification from you that corrective action has been completed (***If you have already completed the requirements, please call 715-243-0436 to schedule a compliance inspection.***).

Requirements on the provided list must be addressed using only State of Wisconsin approved backflow prevention devices and assemblies. A licensed plumber should be able to assist you with acquiring approved backflow prevention devices and assemblies. Some backflow prevention devices or assemblies require testing by a Wisconsin Registered Tester, and also pre-installation approval from the Department of SPS. ***All testable assemblies must be tested immediately at the time of installation by a state certified tester.***

Required Action:

**You are hereby notified that in accordance with Ordinance 473, section 86-132 the water supply to the above noted premises will be discontinued as of <<ShutOffDate>> or fines of \$100 per day will be imposed for every day of continued non compliance starting <<Date>>. Water service may not be resumed until corrective measures have been addressed and fines will not stop until compliance is reached.**

Upon completion of the required corrective action, please contact Marty Powers with New Richmond Utilities at 715-243-0436 on or before the above date, to schedule a compliance review.

Sincerely,

City Contact  
Title

<<CCInfo>>

## 5.9 Inspection Frequency Standards Form

<i>Typical Survey Frequency Based on Facility Types</i>		
<b>HDI CODE</b>	<b>Facility Type</b>	<b>Survey Frequency</b>
AIRPOR	Airport	6
APARTM	Apartment Complex	10 or 20 depending on meter exchange rate
BANK	Bank	6
BAR	Bar / Pub – no kitchen	6
CARDEA	Car Dealership	6
CARWAS	Car Wash	2
CHURCH	Church	6
CITYOF	City Owned -Other	6
CITYOF	City Owned -Office	6
COLLEG	College Property	6
CONCRE	Concrete Mixing	2
CONDMN	Condominium	10 or 20 depending on meter exchange rate
COUNTY	County Owned Building	6
DAYCAR	Day Care Center	6
DENTIS	Dental Facility	2
DOCOFF	Single Office – Doctor	6
DRYCLE	Dry Cleaner	2
FITNES	Fitness Center	6
FLOWER	Florist	6
FUNERA	Mortuary /Funeral Home	2
GARAGE	Auto Repair Garage	6
GASSTA	Gas Station –NoGarage	6
GASWAS	Gas Station -Car Wash	2
GOLF	Golf Course	6
GROCER	Grocery Store -Market	6
GYM	Gym	6
HALL	Hall	6
HOSPIT	Hospital	2
HOTEL	Hotel/Motel	6
INDUST	Industrial Facility	2
LAUNDR	Laundry	6
MARINA	Marina, Dock or Warf	2

<i>Typical Survey Frequency Based on Facility Types</i>		
<b>HDI CODE</b>	<b>Facility Type</b>	<b>Survey Frequency</b>
MALL	Shopping Mall	6
MEDCOM	Medical Complex	2
MOBILE	Mobile Home Park/Court	10 or 20 depending on meter exchange rate
MOVIE	Movie Theatre	6
NURSE	Nursing Home	2
NURSER	Nursery	6
OFFICE	Office Building	6
OTHER	Other	6
PARK	Community Park	6
PHARMA	Pharmaceutical Plant	2
RESIDE	Residential	10 or 20 depending on meter exchange rate
RESTAU	Restaurant	6
RETAIL	Retail Store	6
RETMAL	Retail Store in Strip Mall	6
SALON	Hair Salon / Barber Shop	6
SCHOOL	School	6
SMALL	Strip Mall	6
STADIU	Stadium – Civic Center	6
TRDSCH	Trade School	6
TWP	Township Owned Facility	6
VACANT	Vacant Building/Suite	<b>2 - Unless Water Service Has been discontinued</b>
VETERI	Veterinary Clinic/Hospital	2
VILLAG	Village Owned Property	6
WAREHO	Warehouse	6
WASTEW	Waste Water Plant	2

**\*\*This Chart Reflects Typical Survey Frequencies. A more frequent survey frequency may be required in some cases and will be determined at the initial CCC Survey based on degree of hazard. All initial surveys to be completed in first two years of program.**

## 6. BACKFLOW PREVENTION DEVICES

### 6.1 Responsibility

- a) Installation and maintenance of devices/methods shall be the responsibility of the building/premises owner
- b) Any installation in a health care facility involving a backflow prevention device requires Wisconsin Department of Safety and Professional Services plan approval. Refer to the Department of Safety and Professional Services DSPS 382.20(1)(a), table 82.20-1 entitled *Submittals to Department* for a list of instances requiring plan submittal
- c) Plan submittals for devices shall include a completed *General Plumbing Plan Approval Application*; form SBD-6154, along with the appropriate fee
- d) If a device is installed without prior approval from the Wisconsin Department of Safety and Professional Services, a fee of two (2) times the standard application fee must be paid. Provisions for exceptions to this rule are provided as follows:
  - i. If an inspection determines that a device must be installed immediately to correct an existing cross connection, the Wisconsin Department of Safety and Professional Services will accept the normal review fee provided:
    - i. The application includes a copy of the inspector's written report
    - ii. Plan submittal is made within 30 days of the inspection date
- e) All testable assemblies shall be tested upon installation and at yearly intervals thereafter as required by the Wisconsin Department of Safety and Professional Services or as determined by the Authority
- f) Completed device test form(s) for the reduced pressure principle backflow preventer assembly, reduced pressure principle backflow preventer detector assembly, pressure vacuum breaker assembly and the backflow backsiphonage vacuum breaker assembly are to be distributed to the following parties;
  - The Wisconsin Department of Safety and Professional Services
  - The Owner
  - The Purveyor
  - The Tester
- g) The Authority/Agent may require additional testing for any of the following reasons:
  - Loss of water flow/pressure to the facility
  - Repair or maintenance to the water distribution system at or near the facility

## 6.2 Device Abbreviation List

<b>Device Legend</b>			
A.S.S.E Standard	Legend	Acronym	Testable Device
1001	Atmospheric Type Vacuum Breakers	AVB	No
1002	Anti-siphon Fill Valves (Ballcocks)	ASBC	No
1011	Hose Connection Vacuum Breakers	HBVB	No
1012	Backflow Preventer w/Intermediate Atmospheric Vent	VDCV	No
1013	Reduced Pressure Backflow Prevention Asy.	RPBP	<b>Yes</b>
1015	Double Check Backflow Prevention Assembly	DCV	<b>Yes</b>
1019	Vacuum Breaker Wall Hydrants	HBIVB	No
1020	Pressure Vacuum Breaker Assembly	PVB	<b>Yes</b>
1022	Backflow Preventer for Carbonated Beverage Machine	VMBP	No
1024	Dual Check Valve Type Backflow Preventers	DC	No
1035	Laboratory Faucet Backflow Preventer	LFVB	No
1037	Pressurized Flushing Devices (Flushometers)	PFD	No
1047	RP Detector Backflow Prevention Assembly	RPDA	<b>Yes</b>
1048	Double Check Detector Backflow Prevention Assembly	DDCV	<b>Yes</b>
1052	Hose Connection Backflow Preventer	HCBP	No
1055	Chemical Dispensing Systems	AG	No
1056	Spill Resistant Vacuum Breaker Assembly	SVB	<b>Yes</b>
1057	Freeze Resistant Yard Hydrant W/Backflow		No
A112.1.2	Air Gap	AG	No
	Device and/or piping requires a cap	CAP	No
	No Contact Was Not Available	INSPECT	No
	Install approved device	INSTALL	No
	Pipe requires labeling	LABEL	No
	See Remarks	OTHER	No
	Refusal of Facility Inspection	REFUSAL	No
	Device is in need of repair	REPAIR	No
	Requires replacement	REPLACE	No
	Requires relocation and/or new piping	REPLUMB	No
	Survey Required	SURVEY	No
	Single Check Valve	SCV	No

### 6.3 Approved Backflow Prevention Devices

The City of New Richmond accepts backflow prevention devices as recognized by the Department of SPS.

The Department of SPS stipulates backflow prevention devices must be of the type recognized in accordance with the Wisconsin Administrative Code, DSPS. 384, *Plumbing Products*, and shall be listed by a recognized listing agency acceptable to the department.

Agencies acceptable to the department may be found in the Wisconsin Administrative Code, DSPS. 384, *Appendix*.

## 6.4 Application for Plumbing Review and Cross Connection Assembly Registration



Safety and Professional Services,  
Division of Safety and Buildings

### Application for General Plumbing Plan Review and Cross Connection Assembly Registration

-Complete all pages-

NOTE: Personal information you provide may be used for secondary purposes [Privacy Law s. 15.04(1)(m), Stats.]

**General Plumbing**

<p><b>1. For pre-scheduling of plumbing plans, use the electronic online request for plumbing plan appointments found at <a href="http://dps.wi.gov/sb/SB-PlumbingPlanRevSched.html">http://dps.wi.gov/sb/SB-PlumbingPlanRevSched.html</a>. This form is to be used only for mailing or dropping off plans without an appointment, or if you are scheduling a Revision via fax (see Box 13 for further information). Check our website at <a href="http://dps.wi.gov/sb/SB-DivForms.html">http://dps.wi.gov/sb/SB-DivForms.html</a> for the most current version of this form. We may re-distribute plans to another office if needed to reasonably balance turnaround times. You may monitor the status of your plan at: <a href="http://dps.wi.gov/sb/SB-DivReviewStatusSearch.html">http://dps.wi.gov/sb/SB-DivReviewStatusSearch.html</a>.</b></p>	<p>Previously Related Transaction # _____</p> <p>See our website for next available appointment at <a href="http://dps.wi.gov/sb/SB-DivDailyDoc.html">http://dps.wi.gov/sb/SB-DivDailyDoc.html</a></p> <p><b>OFFICE USE:</b></p> <p>Trans ID: _____</p> <p>Assigned Reviewer: _____</p> <p>Assigned Office: _____</p> <p>Reviewer Start Date*: _____</p>
<p><b>2. Project Information – Fill in all known information</b></p> <p>Project/Site Name _____</p> <p>Number &amp; Street _____</p> <p>County _____ ( ) City ( ) Village ( ) Town of _____</p>	
<p><b>3. Mailing Information</b>      <b>After plans are reviewed, please: (check all that apply)</b></p> <p><input type="checkbox"/> Call Customer 1, 2, 3 (circle one number)*      <input type="checkbox"/> Mail plans to customer 1, 2, 3, (circle one number)*      <input type="checkbox"/> Requesting party will pick up.</p> <p><small>*Refers to customer listed below</small></p>	
<p><b>4. Complete the following customer information in the boxes below.</b></p>	
<p><b>Designer Information (Customer 1) (Person who stamped the plan)</b></p> <p>First Name _____ Last Name _____ Commerce Customer Number _____</p> <p>Company Name _____</p> <p>Address _____</p> <p>City _____ State _____ Zip + 4 (9 digits) _____</p> <p>(Area Code) Phone Number _____ Fax Number _____</p> <p>email address _____</p> <p>Have you submitted plumbing plans to Safety and Buildings in the last year? ( ) Yes ( ) No</p>	<p><b>Contact Person or Other, Please Specify (Customer 3)</b></p> <p>First Name _____ Last Name _____ Commerce Customer Number _____</p> <p>Company Name _____</p> <p>Address _____</p> <p>City _____ State _____ Zip + 4 (9 digits) _____</p> <p>(Area Code) Phone Number _____ Fax Number _____</p> <p>email address _____</p>
<p><b>Owner Information (Customer 2)</b></p> <p>First Name _____ Last Name _____ Commerce Customer Number _____</p> <p>Company Name _____</p> <p>Address _____</p> <p>City _____ State _____ Zip + 4 (9 digits) _____</p> <p>(Area Code) Phone Number _____ Fax Number _____</p> <p>email address _____</p>	<p><b>Make checks payable to: Safety and Buildings Division. Mail check and payment voucher to – DSPS Fiscal Plans, PO Box 8602, Madison WI 53708-8602.</b></p> <p style="text-align: center;"><b>Total amount due (from page 3) \$ _____</b>  <b>Minimum Fee \$85.00</b>  <b>(except for Cross Control Connection Registrations in Non-Health Care and related facilities) - \$30.00)</b></p> <p style="text-align: right;"><b>Revenue Code 7657</b></p>

THIS FORM IS VALID THROUGH January 2013

SBD-6154 (R 05/12)

SUBMIT ADDITIONAL PAGE 2 FOR EACH NON-IDENTICAL BUILDING OR TENANT SPACE

**SUBMIT ADDITIONAL PAGE 2 FOR EACH NON-IDENTICAL BUILDING OR TENANT SPACE**

<b>5. BUILDING SPECIFIC INFORMATION</b>								
<input type="checkbox"/> New <input type="checkbox"/> Addition/Alteration <input type="checkbox"/> Revision to Previously Approved plan where approved construction has not been completed <input type="checkbox"/> Structure is greater or equal to 3 stories in height <input type="checkbox"/> Project is Apartment/Condo only <input type="checkbox"/> Healthcare Related Facility <input type="checkbox"/> Multiple identical buildings Number of identical buildings being submitted _____ (NOTE: Must be on same site)								
<b>Indicate Building/Tenant Designation for Each Building and/or Tenant Space (Attach Additional Pages if Necessary)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Building/Facility Name/Designation</td> <td style="width:33%;">Previous Tenant Name</td> <td style="width:33%;">Building/Facility Address</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>			Building/Facility Name/Designation	Previous Tenant Name	Building/Facility Address			
Building/Facility Name/Designation	Previous Tenant Name	Building/Facility Address						
Item Description – Indicate items included with this submittal for this building	Fee Computations (doubled for installation without approval) (Check appropriate box and enter fee) Calculate the fees separately for each building.	Required Fee						
Indicate here the total number of interior fixtures, including roof drains and hose bibs being submitted for this building. TOTAL # _____								
<b>6. BUILDING SPECIFIC SANITARY:</b>								
Select ONE of the following six options and enter the corresponding diameter or Drainage Fixture Units (DFU) and enter fee								
1. <input type="checkbox"/> Interior Sanitary Drain & Vent System and Exterior Sanitary Building Sewer	Diameter of sanitary building sewer(s) in inches _____ x \$40.00							
2. <input type="checkbox"/> Interior Sanitary Drain and Vent system only.	Diameter of sanitary building sewer, in inches, required to serve the building. _____ x \$40							
3. <input type="checkbox"/> Exterior Sanitary Building Sewer(s) only.	Diameter of sanitary building sewer(s) in inches. _____ x \$25.00							
4. <input type="checkbox"/> Interior Sanitary Drain and Vent system within an addition or remodeled building.	_____ DFU's new, added or relocated See fee Table 1 on page 4 to convert DFU to a fee							
5. <input type="checkbox"/> Multiple exterior Sanitary Building Sewers serving the single building, and the interior Sanitary Drain and Vent system	_____ DFU's new, added or relocated See fee Table 1 on page 4 to convert DFU to a fee							
6. <input type="checkbox"/> Interior Sanitary Drain and Vent System with multiple building drains exiting the building. no exterior sanitary building sewers	_____ DFU's new, added or relocated See fee Table 1 on page 4 to convert DFU to a fee							
<b>7. BUILDING SPECIFIC WATER:</b>								
Select ONE of the following six options and enter the corresponding diameter or Gallons Per Minute (GPM) and enter fee								
1. <input type="checkbox"/> Interior Water Distribution system and exterior Water Service	Diameter of exterior water service in inches, or if serving a combination domestic and fire sprinkler system, diameter of interior water distribution immediately after the meter or at the building control valve in inches. _____ x \$40							
2. <input type="checkbox"/> Interior Water Distribution system, no exterior water service	Diameter of interior water distribution immediately after the meter or at the building control valve in inches. _____ x \$40							
3. <input type="checkbox"/> Exterior Water Service(s), no interior Water Distribution system	Diameter of exterior water service in inches. _____ x \$25							
4. <input type="checkbox"/> Interior Water Distribution system within an addition or remodeled building, no exterior Water Service	_____ GPM added or relocated See fee Table 2 on page 4 to convert GPM to a fee							
5. <input type="checkbox"/> Multiple exterior Water Services serving the single building, and the interior Water Distribution system	_____ GPM See fee Table 2 on page 4 to convert GPM to a fee							
6. <input type="checkbox"/> Interior Water Distribution system with multiple services exiting the building, no exterior Water Services	_____ GPM See fee Table 2 on page 4 to convert GPM to a fee							
<b>8. Indicate the number of items below included with this submittal.</b>								
<input type="checkbox"/> Grease Interceptor	Number of Grease Interceptors... _____ x \$70.00, no additional fee if submitted with Sanitary Drain & Vent							
<input type="checkbox"/> Garage Catch Basin	Number of Garage Catch Basins... _____ x \$70.00, no additional fee if submitted with Sanitary Drain & Vent							
<input type="checkbox"/> Oil Interceptor	Number of Oil Interceptors... _____ x \$70.00, no additional fee if submitted with Sanitary Drain & Vent							
<input type="checkbox"/> Car Wash Interceptor	Number of Car Wash Interceptors... _____ x \$70.00, no additional fee if submitted with Sanitary Drain & Vent							
<input type="checkbox"/> Sanitary Dump Station	Number of Sanitary Dump Stations... _____ x \$70.00, no additional fee if submitted with Sanitary Drain & Vent							
<input type="checkbox"/> Chemical System (Not Eyewashes)	Number of Chemical Systems... _____ x \$70.00, no additional fee is submitted with Sanitary Drain & Vent							
<input type="checkbox"/> Cross Connection Control Assemblies in Health Care Related Facilities to be reviewed (List on Page 5)	Number of Cross Connection Control Assemblies... _____ x \$125							
<input type="checkbox"/> Request to Register Cross Connection Control Assemblies in Non-Health Care (List on Page 5)	Number of Cross Connection Control Assemblies... _____ x \$125							
<input type="checkbox"/> Water Reuse System – stormwater for interior use	\$120.00 minimum for each reuse system. (NOTE: Additional fees will be charged at \$60/hr if review time exceeds 2 hours.) All Reuse plans must be submitted separately to the Green Bay office.							
<input type="checkbox"/> Water Reuse System - graywater	<input type="checkbox"/> Water Reuse System – subsurface irrigation							
Page Fee Subtotal _____								
Number of identical buildings X above Fee Subtotal. Fee Subtotal (carry to bottom of Page 3)								

9. SITE SPECIFIC INFORMATION:			
Check and complete diameter information if included in this submittal		Fee Computations (doubled for installation without approval) (Check appropriate box and make fee computation)	Required Fee
<b>STORM - All Storm piping is considered site specific.</b> If the plan includes <u>subsurface infiltration</u> , submit only to Green Bay, Shawano, or Hayward. If the submittal is <u>only subsurface infiltration</u> , you may also submit to Madison.			
Indicate total number of exterior fixtures such as storm drain inlets submitted with this application _____  Check all that apply <input type="checkbox"/> Interior storm drain system with a clearwater drain system (If submitting interior storm <u>only</u> , use the roof area to determine the drainage area for fees.)  <input type="checkbox"/> Interior storm drain system without a clearwater drain system (If submitting interior storm <u>only</u> , use the roof area to determine the drainage area for fees.)  <input type="checkbox"/> Storm Building Sewer  <input type="checkbox"/> Storm Private Interceptor Main Sewer		<b>Drainage area served by the storm plumbing system is:</b> (Check one and enter corresponding information)  A. <input type="checkbox"/> Less than or equal to 1 acre drainage to the plumbing system with a single discharge point _____ diameter at discharge point in inches X \$10/inch  B. <input type="checkbox"/> Less than or equal to 1 acre drainage to the plumbing system with multiple discharge points _____ Total GPM discharge. See Table 3 on next page. to convert GPM to a fee  C. <input type="checkbox"/> Greater than 1 acre drainage to the plumbing system. Acres _____ See Table 4 on next page to convert acres to a fee.  NOTE: Maintenance plan submittal required	
<input type="checkbox"/> Storm water and/or clear water Subsurface Infiltration for Public Building submitted with or without a storm piping system Storm System Infiltration volume (gal) _____ Select Green Bay, Hayward, or Shawano offices for plans with infiltration and other plumbing systems. If submitting Infiltration separately you may select the Madison Office.		<input type="checkbox"/> If this submittal is infiltration WITH storm, indicate \$100.00 in the fee column.  <input type="checkbox"/> If submitting infiltration WITHOUT storm, calculate the corresponding fee in A, B, or C above as if you were submitting those elements and enter here _____. Add \$100.00 and enter the total fee in the fee column.	
<input type="checkbox"/> Clearwater drain system <u>without</u> an interior storm drain system		\$10.00/inch diameter of each clearwater drain system Inches _____ X \$10/inch	
<b>SANITARY</b>			
<input type="checkbox"/> Submittal of Sanitary Private Interceptor Main Sewer Indicate the number of independent connections to the municipal sewer or POWTS.		Sum of largest PIMS diameters in inches. _____ x \$25/inch (Compute for each independent system and total.)	
<b>WATER</b>			
<input type="checkbox"/> Private Water Main Indicate the number of independent connections to the municipal water main or well pressure tank		Sum of water main diameters in inches. _____ x \$25/inch (Compute for each independent system and total.)	
<b>10. If the submittal is for a Mobile Homes Park and/or Campground/Recreational Vehicle Park, indicate the number of sites and enter fee:</b>			
Mobile/Manufactured Home Park and/or Campground/Recreational Vehicle Park	Required Fee	Mobile/Manufactured Home Park and/or Campground/Recreational Vehicle Park	Required Fee
<input type="checkbox"/> 1-25 Sites	\$300.00	<input type="checkbox"/> 51-125 Sites	\$400.00
<input type="checkbox"/> 26-50 Sites	\$350.00	<input type="checkbox"/> Greater than 125	\$500.00
Mobile Home Park and/or Campground/Recreational Vehicle Park submittal includes:			
<input type="checkbox"/> Sanitary Dump Station		<input type="checkbox"/> Exterior Water Service	
<input type="checkbox"/> Exterior Sanitary Sewer		<input type="checkbox"/> Private Water Main	
<input type="checkbox"/> Sanitary Private Interceptor Main Sewer			
<b>11. OTHER FEES</b>			
<input type="checkbox"/> Plan Approval Extension (1 year maximum)		\$100.00	
<input type="checkbox"/> Revision to previously approved plans –		\$75.00 Required – NOTE: Must be scheduled with office that previously reviewed the plans	
<input type="checkbox"/> Experimental Plumbing System (Submit to Madison Office)		Number of Experimental Plumbing Systems... _____ x \$500.00	
<input type="checkbox"/> Alternate Plumbing System (Submit to Madison Office)		Number of Alternate Plumbing Systems... _____ x \$400.00	
Subtotal From Page 2 (include subtotals from additional Page 2s if used)			
Enter Total Fee Here and at Bottom of First Page			

**Table 1**

DRAINAGE FIXTURE UNIT (DFU ) FEE TABLE		
DFU	Pipe Diameter	Fee (diameter X \$40)
1	1 1/4	\$50
2-3	1 1/2	\$60
4-6	2	\$80
7-20	3	\$120
21-160	4	\$160
161-360	5	\$200
361-620	6	\$240
621-1400	8	\$320
1401-2500	10	\$400
2501-3600	12	\$480

**Table 2**

WATER DISTRIBUTION FEE TABLE		
Comm 82.36 Table 2.64-2		
GPM		Fee
1	to 6	\$20.00
7	to 12	\$30.00
13	to 21	\$40.00
22	to 31	\$50.00
32	to 46	\$60.00
47	to 77	\$80.00
78	to 119	\$100.00
120	to 170	\$120.00
171	to 298	\$140.00

**Table 3**

STORM GALLONS PER MINUTE (GPM) FEE TABLES		
GPM	Diameter	Fee (diameter X \$10/inch)
1-50	3	\$30
51-115	4	\$40
116-195	5	\$50
196-320	6	\$60
321-700	8	\$80
701-1300	10	\$100
1301-2200	12	\$120
2201-4050	15	\$150
4051-6700	18	\$180
6701-9880	21	\$210
9881-14700	24	\$240

**Table 4**

STORM AREA FEE TABLE	
Acres (area drained to a plumbing system)	Fee
Greater than 1 to 5	\$350
Greater than 5 to 15	\$400
Greater than 15	\$500

43,560 sq ft = 1 acre

**12. Agent Municipalities (See Comm Table 82.20 - 2 for agent plan submittals.)** Cities of:

Appleton	Greenfield	Madison	Oshkosh
Eau Claire	Janesville*	Milwaukee	Sheboygan
Green Bay			

\*NOTE: Plans must be submitted to agent, unless waived by them.

EXCEPTION: A project in Janesville may be submitted to the state or to Janesville

Some agents are delegated plan review of infiltration systems. See website at <http://commerce.wi.gov/SB/SB-PlumbingAgentMuni.html> for the current list.

**13. Appointment, Scheduling Information, and Plan Submittal Checklists**

For your convenience we have installed a 24 hour, toll free number dedicated to receiving fax plan review appointment requests only. The number is **877-840-9172**. Be sure to indicate whether you want the next available review statewide or prefer a choice of an office. You will receive a Schedule Letter back with an Appointment Date, Transaction ID No. and Assigned Reviewer. You may also E-mail the request to [PlanSchedule@commerce.state.wi.us](mailto:PlanSchedule@commerce.state.wi.us). When making an appointment, you may request review for a specific office or desired (beginning) date for review. Plans **must be received** in the office of the appointment no later than **2 working days before the confirmed appointment**. Non-scheduled submittals or submittals received without a confirmed appointment date and transaction number on the form may be assigned to offices other than the receiving office depending on reviewer availability. You may email technical code questions to [plbgtech@commerce.state.wi.us](mailto:plbgtech@commerce.state.wi.us). **NOTE: To gain more information about Safety and Buildings (forms, codes, staff, etc.), view our website at: <http://www.commerce.state.wi.us/SB/SB-HomePage.html>.**

<b>Madison S&amp;BD</b> 201 W Washington Ave 53703 PO Box 7162 Madison WI 53707-7162 608-266-3161 TDD 608-264-6777 Fax: (for sending questions or additional info to reviewers) 608-267-2666	<b>Hayward S&amp;BD</b> 10541N Ranch Rd Hayward WI 54943 715-694-4870 Fax: (for sending questions or additional info to reviewers) 715-694-5160	<b>LaCrosse S&amp;BD</b> 3824 Creekside La Holmen WI 54636 608-785-2334 Fax: (for sending questions or additional info to reviewers) 608-785-2330 The LaCrosse office is currently not available for plumbing appointments. Watch the web site for updates.	<b>Shawano S&amp;BD</b> 1340 E Green Bay Shawano WI 54166 715-524-9626 Fax: (for sending questions or additional info to reviewers) 608-263-7444	<b>Green Bay S&amp;BD</b> 2331 San Luis Place Green Bay WI 54304 920-492-5601 FAX: (for sending questions or additional info to reviewers) 920-492-5604	<b>Waukesha S&amp;BD</b> 141 NW Earstow St 4 <sup>th</sup> Floor Waukesha WI 53188-3788 262-545-5600 Fax: (for sending questions or additional info to reviewers) 262-545-5614
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DO NOT SUBMIT THIS PAGE AS PART OF SCHEDULE REQUEST

### 14. CROSS CONNECTION DEVICE INFORMATION

Use when submitting and/or registering cross connection control devices.

Check if Healthcare and Related Facilities (see below for definition)

Assembly Type*	Facility Name	Size	Mfg.	Assembly Model	Serial Number	Specific Location of Assembly	Assembly Is Serving
* RP	UW Human Services Buildings	3/4"	ACME	002M20T		Rm. 212, No. Wall	Boiler

\* PVB Pressure vacuum breaker assembly – ASSE 1020 + CAN/CSA B94.1.2  
 RP Reduced pressure principle backflow preventer – ASSE 1012 + CAN/CSA B94.4  
 RFD Reduced pressure detector backflow preventer – ASSE 1047  
 SVB Back siphonage backflow vacuum breaker – ASSE 1058

"Health care and related facility" means a hospital, nursing home, community-based residential facility, county home, infirmary, inpatient mental health center, inpatient hospice, ambulatory surgery center, adult day-care center, and skilled nursing facility, facility for the developmentally disabled, institute for mental disease, urgent care center, clinic or medical offices, child caring institution, or school of medicine, surgery or dentistry.

### 15. PLAN SUBMITTAL SHALL INCLUDE THE FOLLOWING IN ACCORD WITH CODE SECTION COMM 82.20.

Two complete sets of plumbing plans and specifications (including materials and fixtures) (maximum of five).

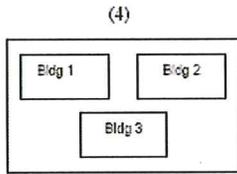
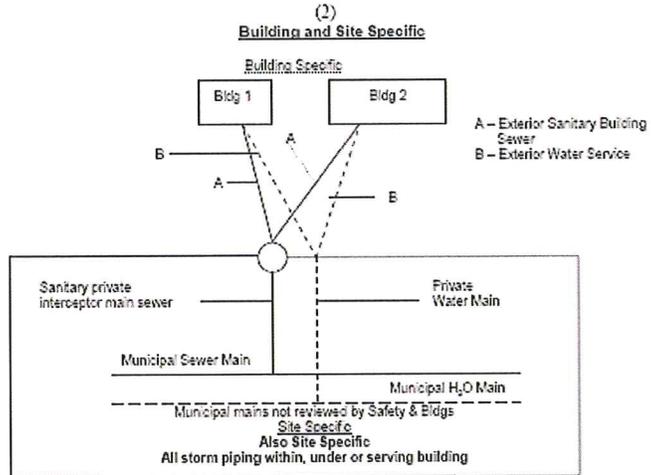
- Plans shall include:
1. Floor plan showing sanitary and/or storm sewer and water.
  2. Floor plan showing horizontal drains, water distribution lines, and all fixtures and equipment to be installed.
  3. 3000+ Btu/hr gas units of the drain, vent and water distribution systems.
  4. Complete water calculations in accordance with s. Comm 82.20 (7).
  5. Complete storm drain sizing calculations in accordance with s. Comm 82.38 (6).
  6. Remodeling or additions shall include existing loads.
  7. Water Quality Management Letter if required by s. Comm 82.20 (4) (b).
  8. For storm water plans, submit appropriate architectural roof drainage plans, site grade run off plans and contour lines showing what is drained to the plumbing system.
  9. For infiltration systems, submit SCL and Site Evaluation Form SBE-107's.
  10. A Notice of Intent form SBD-1037's, must be filed with the Department if more than 1 acre is disturbed.
  11. All plans must be properly signed as Comm 82.20 (4)(c). Plans involving more than one sheet must be BOUND into sets.
  12. For water-re-use submittals includes information requested in the product approval.

### 16. Other Potential Plan Submittals Required For A Project?

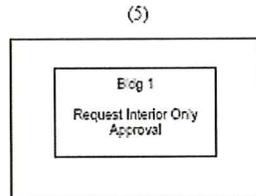
- Petition for Variance – Submittal form SBD-2590-X
  - Private sewage systems under chapters Comm 81-55
  - Buildings under Comm 81-55, 70
  - Elevators or Escalators under chapter Comm 18
  - Swimming Pools or other Aquatic Centers within a Commercial/Public Facility under chapter Comm 80
  - Tank storage of 5,000 gallons or more of flammable or combustible liquids under chapter Comm 10
  - Fixtures which require water or waste connections may need product approval.
  - There is no state electrical review
- Contact the Safety & Buildings Division for individual submittal requirements for all of the above.
- For licensing of Hotels, Motels, Restaurants, Pools, Campgrounds and Bed & Breakfast establishments contact the WI Environmental Protection Section at (608) 265-2335.  
 The Wisconsin Permit Center at 1-800-435-7237 may be able to help you with other state permit requirements.

Note: Be aware that State Plan Review & Approval is separate from Local Permits. Always check with the local municipality and county for their requirements.  
 Per Comm 82.20 (6), one set of approved plan shall be kept at the construction site.

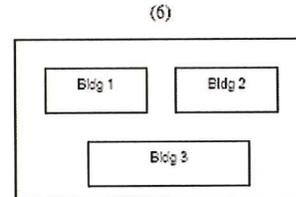
**TYPICAL EXAMPLES OF BUILDING SPECIFIC/SITE SPECIFIC  
INDICATED TASKS ARE FOR COMPLETING FORM PAGES AND WEB SCHEDULING**



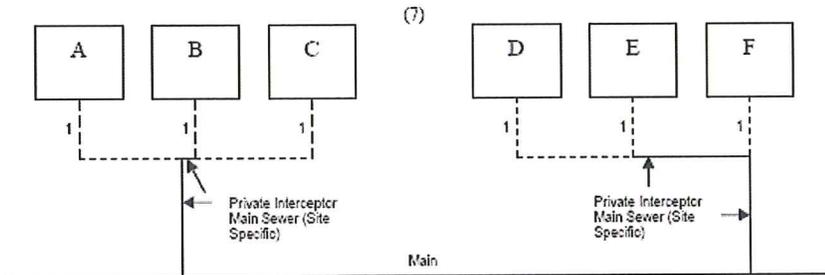
Request Interior & Exterior Approval  
Web - 3 Identical Building Plumbing Components  
1 Site Specific Plumbing Component  
All Storm is site specific  
This Form - Page 2 to be done 1 time Page 3 to be done 1 time



Web - 1 Building Specific Plumbing Component  
0 Site Specific Plumbing Component  
This Form - Page 2 to be done 1 time



Request Interior & Exterior Approval  
Web - 2 Identical Building Specific Plumbing Components  
1 Non-Identical Building Specific Plumbing Component  
1 Site Specific Plumbing Component  
This Form - Page 2 to be done 2 times Page 3 to be done 1 time



Web - 6 Identical Building Specific Plumbing Components  
2 Site Specific Plumbing Components  
This Form - Page 2 to be done 1 time Page 3 to be done 1 time

(1) Exterior Sanitary Building Sewer (Building Specific)

**DO NOT SUBMIT THIS PAGE AS PART OF SCHEDULE REQUEST**

6.5 Cross Connection Control Device Performance Test Form



## Cross Connection Control Performance Test

Industry Services Division  
P.O. Box 7302  
Madison, WI 53707-7302  
Fax: (608) 267-9723  
TTY: through Relay

**NOTE:** Registrations for all assemblies (except those located in health care facilities) along with all test reports can be done online for reduced fees at <http://dsps.wi.gov/SB/SB-PlumbingCccaTestsRegists.html>.

**Regulated Object Number:** \_\_\_\_\_

Personal information you provide may be used for secondary purposes [Privacy Law, s. 1504 (1)(m)].

**Owner Information**

**Please print clearly in ballpoint pen.**

Owner Name			Street Address		
City	State	Zip Code	Owner's Contact Person	Telephone Number ( ) ( )	

**Facility Information**

Facility Name			Street Address		
City	Zip Code		County		
Assembly Location			Assembly is Serving		
Manufacturer			Model	Serial Number	

Size \_\_\_\_\_ Assembly Type ( ) RP ( ) RP Detector ( ) PVB ( ) SRVB

**Water Supply Source: Check One ( ) Municipal Water System ( ) Other than municipal, non-community or private water system. See NR 811 and 812 for definitions.**

**Initial Test**

<b>RP relief valve</b> Opened at _____ PSID <input type="checkbox"/> Did not open	<b>1<sup>st</sup> check</b> <input type="checkbox"/> Closed tight <input type="checkbox"/> Leaked Static _____ PSID	<b>2<sup>nd</sup> check</b> <input type="checkbox"/> Closed tight <input type="checkbox"/> Leaked Static _____ PSID
---	--	--

**FINAL TEST**

Opened at _____ PSID	<input type="checkbox"/> Closed tight Static _____ PSID	<input type="checkbox"/> Closed tight Static _____ PSID
----------------------	--	--

**DETECTOR BYPASS ASSEMBLY INITIAL TEST**

<b>RP relief valve</b> Opened at _____ PSID <input type="checkbox"/> Did not open	<b>1<sup>st</sup> check</b> <input type="checkbox"/> Closed tight <input type="checkbox"/> Leaked Static _____ PSID	<b>2<sup>nd</sup> check</b> <input type="checkbox"/> Closed tight <input type="checkbox"/> Leaked Static _____ PSID
---	--	--

**DETECTOR BYPASS ASSEMBLY FINAL TEST**

Opened at _____ PSID	<input type="checkbox"/> Closed tight Static _____ PSID	<input type="checkbox"/> Closed tight Static _____ PSID
----------------------	--	--

**PVB/SRVB INITIAL TEST**

<b>Air Inlet valve</b> Opened at _____ PSID <input type="checkbox"/> Did not open	<b>Check valve</b> <input type="checkbox"/> Closed tight <input type="checkbox"/> Leaked Static _____ PSID
---	---

**PVB/SRVB FINAL TEST**

<b>Air Inlet valve</b> Opened at _____ PSID	<b>Check Valve</b> <input type="checkbox"/> Closed tight Static _____ PSID
--	--

**Assemblies in Fire Protection Systems**

Note: Include hose stream demand where applicable

<b>Forward Flow Test</b>	
Designed flow rate _____ GPM	Actual flow rate _____ GPM
<b>Indicating Control Valves</b>	
<input type="checkbox"/> No. one control valve open	<input type="checkbox"/> No. two control valve open
Valve supervision: <input type="checkbox"/> Tamper switch <input type="checkbox"/> Locked	

Part (s) Replaced/Comments \_\_\_\_\_

Make Checks Payable to DSPPS

Attach Check Here

Total Amount Due \$30 Per Assembly

**I Hereby Certify the Test Results Are True and the Test Was Conducted by Me Personally.**

Tester Name (print) _____	Registration No. _____	Time of Day _____
Tester Signature _____	Phone No. _____	Date _____

SBD-9927 (R03/13)

Copies: Department, Testers, Owner, Water Purveyor

Revenue Code 7657

**Owner Information**

6.6 Cross Connection Control Assembly Removal Notice



Safety and Buildings Division  
P. O. Box 7302  
Madison, Wisconsin 53707  
(608) 267-2497  
FAX (608) 267-9723  
<http://www.dps.state.wi.us/sb>  
<http://www.wisconsin.gov>

### Cross Connection Control Assembly Removal Notice

You can search on the Internet for information that the Safety and Buildings Division has concerning cross connection control devices: [http://apps.commerce.wi.gov/SB\\_ServiceAgent/SB\\_RegObjMain.jsp](http://apps.commerce.wi.gov/SB_ServiceAgent/SB_RegObjMain.jsp)

DATE: \_\_\_\_\_ PROJECT NAME: \_\_\_\_\_  
REGULATED OBJECT # \_\_\_\_\_ ADDRESS: \_\_\_\_\_  
CITY/ZIP \_\_\_\_\_  
MANUFACTURER: \_\_\_\_\_ SIZE: \_\_\_\_\_ SERIAL NO.: \_\_\_\_\_  
RP LOCATION: \_\_\_\_\_

The terms "Out of Service" or "Removed from Service" do not provide sufficient information to define the situation. Please answer the following questions and return this form to the address above: Attention Chris Severson.

1. Is the reduced backflow assembly still on the water line?  
YES \_\_\_\_\_ NO \_\_\_\_\_  
**If reduced backflow assembly is on the water line, it must be tested even if the water has been turned off.**
2. If reduced backflow assembly has been taken off the water line, where is the valve now?  
IN STORAGE \_\_\_\_\_ DESTROYED \_\_\_\_\_
3. Has the water line been capped?  
YES \_\_\_\_\_ NO \_\_\_\_\_
4. If reduced backflow assembly is off the water line, what is protecting the down stream water line?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Print Name Signature and Title

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

SBD-10766 (R 11/11)

## **7 NEW SERVICE INSPECTIONS**

### **7.1 Procedures**

All plumbing plans and permits for a proposed building shall be reviewed by the Authority, Plumbing Inspector, Building Inspector and building contractor(s). The Authority's Cross Connection Control Plan and Backflow Prevention requirements will be reviewed with the responsible party.

### **7.2 Inspections**

The Authority/Agent conducting the cross connection control inspection shall inspect the building/premises for compliance with the Cross Connection Control Program.

### **7.3 Compliance**

Upon completion of the cross connection control inspection and it is determined that the facility is in compliance and has been met any required actions of this plan, certificate of occupancy and water service will be initiated.

### **7.4 Non-Compliance**

If the facility does not comply with the Cross Connection Control Program the Authority shall enforce this plan as required. The water service and the certificate of occupancy will not be initiated until compliance is achieved and approved.

## 8 REGULATIONS

State of Wisconsin Department of SPS *Cross Connection Control Manual*

Wisconsin Administrative Code: Chapter DSPS. 332 *Public Safety and Health*

Wisconsin Administrative Code: Chapter DSPS. 381 *Definitions and Standards*

Wisconsin Administrative Code: Chapter DSPS. 382 *Design, Construction, Installation, Supervision, Maintenance and Inspection of Plumbing*

Wisconsin Administrative Code: Chapter DSPS. 382 Appendix – (partial)

Wisconsin Administrative Code: Chapter DSPS. 384 *Plumbing Products*

Wisconsin Administrative Code: Chapter DSPS. 384 Appendix

Wisconsin Administrative Code: Chapter 145 *Plumbing and Fire Protection Systems and Swimming Pool Plan Review*

United States Environmental Protection Agency *Cross Connection Control Manual*

### **City of New Richmond Cross Connection Control Plan**

Date: \_\_\_\_\_

In accordance with the State of Wisconsin Department of Natural Resources (DNR), the City of New Richmond proclaims this program as a continuing effort to maintain clean, safe potable water. By reference to the *Wisconsin Administrative Code Department of Natural Resources Environmental Protection Water Supply Chapter 810, Section NR 810.15* and *Department of Safety & Professional Services 382-384*, we hereby establish the Municipality Name's Cross Connection Control Plan as adopted on \_\_\_\_\_.

\_\_\_\_\_  
Municipality Contact,