

**BUREAU OF DRINKING WATER AND GROUNDWATER- PUBLIC WATER SUPPLY SECTION
2010 WATER SUPPLY CROSS CONNECTION SURVEY REPORT**

This form is authorized by s. NR 810.15 Wisconsin Administrative Code. Completion of this report is mandatory. Section NR 810.15 Wisconsin Administrative Code states, in part, that a water utility shall submit to the Department "an Annual Report including a total number of all service connections by category and a report indicating the number of surveys completed in each category for that year." Failure to submit this form is a violation and may subject the water supply system to enforcement penalties.

A. Name of water system: _____ PWSID _____ County _____

B. System is using a standard survey schedule. Yes No

C. System is using an alternative survey schedule, DNR approval received. Yes No Date: _____

D. Cross Connection Control Surveys Completed in 2011:

Service Category	Inspection Frequency	Total Number of Service Connections	Total Number of Service Connections where Surveys are Required	Number of Surveys Completed

E. I certify that the information provided is true to the best of my knowledge.

Name: _____ Title: _____ Date: _____

Return this completed form to the appropriate Department of Natural Resources regional Water Supply Engineer by March 1 of 2012. For regional DNR office addresses, visit www.dnr.wi.gov/contact/.

Instructions for Completing the Water Supply Cross Connection Survey Report

- A. Enter the name of the water system, the Public Water System Identification Number and the County the system is located in.
- B. NR 810.15 requires municipal water systems to complete cross connection surveys "for every residential customer service a minimum of once every ten years or on a schedule matching meter replacement". Codes also require systems to conduct a survey "for every industrial, commercial and public authority service a minimum of once every two years". If your system is following this standard schedule, check Yes on this line and No on line C.
- C. NR Codes also allow systems to use an alternative to the above schedule. In this case, codes state that *"The program may include providing public education materials in lieu of inspections of low hazard portions of residential or commercial facilities. Low hazard areas consist of normal kitchen and bathroom fixtures" and that "Public education materials, when being provided in lieu of low hazard inspections shall be provided to the customer no less than every 3 years and with every cross connection survey."* Systems wishing to use an alternate survey schedule must include it in their program and have it approved by the DNR prior to implementation. If your system is using an alternate schedule, check "No" on line B, "Yes" on line C and enter the date written DNR approval was received.
- D. Service Category- Enter all service categories identified in your program. If you have service categories with different survey schedules based on the presence of higher hazard plumbing fixtures, enter them on different lines (i.e. Residential(H) or Commercial (H) for buildings with higher risk plumbing facilities on a more frequent schedule, and Residential(L) and Commercial(L) for buildings with lower risk facilities you are providing public education materials to in lieu of conducting full surveys).
- Inspection Frequency- Enter the inspection frequency (in years) for each category.
- Total Number of Service Connections- Enter the total number of service connections to your system in each category. (should equal total reported in PSC Annual Report- page W-20, column "g")
- Total Number of Service Connections where Surveys are Required- Many systems have unused service connections where buildings have been torn down, or have been stubbed into properties for future use. Subtract the number of unused services in each category from the total number and enter the amounts here. (should equal the number reported in column "g" less the number reported column "h" in the PSC Annual Report, page W-20.)
- Number of Surveys Completed- Enter the total number of surveys that were completed in each category in the previous year.
- E. After the form has been completed, sign it, add your title and date, make a copy for your records and mail it to your regional DNR Water Supply Engineer by **March 1st 2012.**

Standard Cross Connection Control Survey Schedule

The required cross connection control survey schedule for all plumbing areas of a property connected to a municipal water system according to NR 810.15 of the Wisconsin Administrative Code is:

- Residential- Once every ten years or on a schedule matching meter replacement (maximum 20 years per PSC Codes).
- Commercial- Once every two years.
- Industrial- Once every two years.
- Public Authority- Once every two years.

***Alternate Cross Connection Control Survey Schedule**

NR 810.15 does allow municipal public water systems to adopt an alternate survey schedule if they provide public education materials to residential and commercial property owners every three years (and with every survey) in lieu of inspecting low hazard portions of their properties. If systems choose an alternate schedule, it must be included in their program and approved in writing by the regional DNR Water Supply Engineer.

Low Hazard Plumbing Fixtures

Examples of typical low hazard kitchen and bathroom areas include:

- Kitchen sinks & faucets
- Dishwashers- (installed by licensed plumbers)
- Bathroom sinks & faucets with no garden hose type connection threads
- Bathtubs with no submerged inlets
- Whirlpool/jetted tubs
- Showers
- Toilets- (above water level fill) with approved ASSE # 1002 anti-siphon fill valve
- Modern clothes washing machines

High Hazard Plumbing Fixtures

Examples of typical high hazard plumbing areas include:

- Toilets- submerged fill or unapproved fill valve
- Plumbing fixtures installed by home/property owner
- Lawn sprinkling systems
- Threaded hose bib faucets
- Water powered emergency sump pumps
- Boiler systems
- Chemical feed systems
- Swimming pools
- Ponds
- Fire sprinkler systems

*In order to receive DNR approval for an alternate survey schedule, the system must demonstrate the methods used to ascertain that no high hazards exist at non-surveyed areas of the property.

Note: All methods, devices and assemblies for backflow prevention must meet certain approval standards as specified in WI Chapter Comm 82.4

Website link for WI Plumbing Code: <http://www.commerce.state.wi.us/sb/SB-DivCodesListing.html>

Approval standards recognized for backflow prevention and cross connection control:

- **ASSE: American Society of Sanitary Engineers**
Website link: http://asse-plumbing.org/prodlist_new.asp
- **ASME: American Society of Mechanical Engineers**
Website link: <http://www.asme.org/kb/standards/standards>
- **CSA: Canadian Standards Association**
Website link: <http://www.csa.ca/cm/ca/en/standards>
- **Approval Letter within the Wisconsin Plumbing Products Register Database**
Website link: http://commerce.wi.gov/php/sb-ppalopp/prodcode_alpha_list.php

The Public Educational Materials and Inspection Forms included in this packet are samples and may vary based on local preferences and/or personal preferences.