



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
 RESOURCE MANAGEMENT DIVISION

**2011 WATER SUPPLY CROSS CONNECTION REPORT
 FOR SYSTEMS SERVING ONLY RESIDENTIAL ACCOUNTS**

Issued under authority of 1976 PA 399, as amended, and the administrative rules. Failure to submit this form is a violation of the Act and may subject the water supply to enforcement penalties.

Administrative Rule R 325.11405 states in part that "a water utility shall report annually to the department on the status of the cross connection control program on a form provided by the department." Return the completed form by March 31, 2012 to the appropriate Department of Environmental Quality (DEQ) district office. For district office addresses, visit www.michigan.gov/deq and click on Contacts.

- A. Name of water system: _____ WSSN: _____ County: _____
- B. Year that the current written cross connection control program was approved by DEQ: _____
- C. Number of living units connected to the water system: _____
- D. Number of other types of units connected to the water system: _____
- E. Number of units in C and D that were inspected for cross connections in 2011: _____
- F. Number of units in E where a cross connection(s) was found to exist in 2011: _____
- G. Number of units from F where corrective actions have been completed: _____
- H. Answer the following questions:

Are any of the following connected to the system?	Yes/No		If yes, how is each protected? (AG, AVB, DCVA, HBVB, NP, PVB, RPZ, SC, VDCV) List all that apply.
Lawn irrigation/sprinkler systems	<input type="checkbox"/>	<input type="checkbox"/>	
Fire suppression/sprinkler systems	<input type="checkbox"/>	<input type="checkbox"/>	
Swimming pools or hot tubs	<input type="checkbox"/>	<input type="checkbox"/>	
Private wells or other sources of water	<input type="checkbox"/>	<input type="checkbox"/>	
Boiler (make-up) water connections	<input type="checkbox"/>	<input type="checkbox"/>	
Water to air conditioners or heat pumps	<input type="checkbox"/>	<input type="checkbox"/>	
Water assisted sump pumps	<input type="checkbox"/>	<input type="checkbox"/>	
Water softeners or other water treatment	<input type="checkbox"/>	<input type="checkbox"/>	
Outside hose spigots	<input type="checkbox"/>	<input type="checkbox"/>	
Fire hydrants or flushing standpipes	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	

- I. Total number of testable backflow preventers in system: _____
- J. Number of backflow preventers tested in 2011: _____

Program Narrative (Outline briefly any changes or significant findings this year; use additional sheets if necessary.)

Name: _____ Title: _____ Date: _____

Instructions for completing the Water Supply Cross Connection Report For Systems Serving Only Residential Accounts

Definitions:

Inspection: A visual inspection of a living unit, room, building, or any area where plumbing is present to determine whether the potential for a cross connection exists.

Backflow preventer testing: Certain types of backflow preventers must be tested periodically to ensure that they are in good working order. The test consists of a certified or approved tester connecting the backflow preventer to a test kit, and through a known testing process determines whether the assembly is functioning properly (pass) or is in need of repair (fail).

AG = Air Gap, **AVB** = Atmospheric Vacuum Breaker, **DCVA** = Double Check Valve Assembly, **HBVB** = Hose Bib Vacuum Breaker, **NP** = No Protection, **PVB** = Pressure Vacuum Breaker, **RPZ** = Reduced Pressure Principle Backflow Preventer, **SC** = Single Check, **VDCV** = Vented Dual Check Valve

- A. This is basic information about the water system.
- B. State the year the formal cross connection control program was approved by the DEQ.
- C. This is the number of living units, such as apartments, homes, condominiums, or manufactured houses that are connected to the public water system.
- D. This is the number of other types of units, rooms, or areas on the premises that are connected to the public water system that are not counted in C above. Examples are storage units, laundry facilities, heating/AC rooms, water treatment facility areas, etc.
- E. This is the total number of units, rooms and areas in C and D that were visually inspected for cross connections during the year.
- F. This is the number of units in E where cross connections were found during the inspection process.
- G. This is the number of cross connections found in F that have been eliminated or a backflow preventer has been properly installed.
- H. Answer yes or no to each question. If yes, state how the items are protected from backflow. For acceptable corrective items, see the 4th Edition of the DEQ's *Cross Connection Rules Manual*.
- I. This is the total number of testable backflow preventers installed on the premises. This includes reduced pressure principle backflow preventer assemblies (RPZ), double check valve assemblies (DCVA), and pressure vacuum breakers (PRV).
- J. Testable assemblies need to be tested upon installation, after a repair or relocation, or at the frequency specified in the approved program. Only certified or approved persons can test the assemblies.

Narrative Description of Program: Any pertinent information, such as systemwide public education activities, loss of accounts due to facility closure or change of owner/tenant, significant enforcement, etc., should be included in this section.