

TOWN OF MILTON CROSS CONNECTION CONTROL PROGRAM
CROSS CONNECTION CONTROL REGULATION

I. PURPOSE

- A. To protect the public potable water supply served by the Town of Milton, as water purveyor, from the possibility of contamination or pollution by isolating such contaminants or pollutants which could backflow or backsiphon into the public water system.
- B. To promote the elimination or control of existing cross connections, actual or potential, between its customers in-plant potable water system, and non-potable systems.
- C. To provide for the maintenance of a continuing program of cross connection control which will effectively prevent the contamination or pollution of all potable water systems by cross connection.

II. AUTHORITY

- A. As provided in the Federal Safe Drinking Water Act of 1974, (Public Law 93-523), and the Commonwealth of Massachusetts Drinking Water Regulations, 310 CMR 22.22, the water purveyor has the primary responsibility for preventing water from unapproved sources or any other substances from entering the public potable water system.
- B. Town of Milton Cross Connection Control Regulation adopted _____.

III. RESPONSIBILITY

- A. The Water Commission shall be responsible for the protection of the public potable water distribution system from contamination or pollution due to the backflow or backsiphonage of contaminants or pollutants. If, as a result of a survey of the premises, the Commission determines that an approved backflow prevention device is required at the owner's water service connection or as in-plant protection on any customer's premises, the Commission, or its delegated agent, shall issue a cross connection violation form to said customer requiring installation of approved backflow prevention devices. The customer shall, within a time frame determined by the Commission, install such approved device or devices at its own expense, and failure or refusal or inability on the part of the customer to install said device or devices within the specified time frame shall constitute a ground for discontinuing water service to the premises until such device or devices have been properly installed.

IV. DEFINITIONS

- A. Air Gap Separation: The method of preventing backflow through the use of an unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank, plumbing fixture, or other device, and the flood level rim of the receptacle.
- B. Approved: Accepted by the Reviewing Authority as meeting an applicable specification stated or cited in this regulation or as suitable for the proposed use.

- C. Approved Backflow Prevention Device or Devices: A method approved by the Department for use in Massachusetts to prevent backflow.
- D. Atmospheric Vacuum Breaker: An approved backflow device used to prevent backsiphonage, not to be used if back pressure can develop in downstream piping, with necessary appurtenances for isolation and testing.
- E. Auxiliary Water Supply: Any water supply, other than the public water supply, on or available to the owner's premises.
- F. Back Pressure: Pressure created by mechanical means or other means which causes water or other liquids or substances to flow or move in a direction opposite to that which is intended.
- G. Backsiphonage: A form of backflow due to reduced or negative pressure within a water system.
- H. Backflow: The flow of water or other liquids, mixtures or substances into the distribution pipes of a potable water supply from any source other than the intended source.
- I. Backflow Preventer: An assembly that prohibits backflow of water into the potable water supply.
- J. Barometric Loop: A loop of pipe rising at least 35 feet, at its topmost point, above the highest fixture it supplies.
- K. Commission: The Town of Milton Board of Selectmen acting as Water Commissioners.
- L. Contaminant: Foreign substance that degrades water quality and creates a health hazard.
- M. Cross Connection: Any actual or potential connection between a potable water system and any waste pipe, soil pipe, sewer, drain, or other unapproved source.
- N. Cross Connection Violation Form: A violation form designated by the Department, which is sent to the owner by the water supplier with copies sent to the Department, Plumbing Inspector and Board of Health delineating cross connection violations found on the owner's premises and a procedure for corrective action.
- O. Department: The Massachusetts Department of Environmental Protection.
- P. Double Check Valve Assembly: A backflow prevention device, only to be used for protection against pollutants, which incorporates an assembly of check valves, with shut-off valves at each end and appurtenances for testing.
- Q. In-Plant Protection: The location of approved backflow prevention devices in a manner which provides simultaneous protection of the public water system and the potable water system within the premises.
- R. Owner: Any person maintaining a cross connection installation or owning or occupying premises on which cross connections can or do exist.
- S. Permit: A document issued by the Department which allows a cross connection installation.

- T. Person: Any individual, corporation, company, association, trust, partnership, the Commonwealth, a municipality, district, or other subdivision or instrumentality of the United States.
- U. Pollutant: Foreign substance that degrades water quality to impair usefulness of the water.
- V. Pressure Vacuum Breaker: An approved backflow prevention device, with necessary appurtenances for isolation and testing, which is designed to prevent backsiphonage, not to be used if pressure can develop in downstream piping.
- W. Potable Water: Water approved by the Department for human consumption.
- X. Reduced Pressure Backflow Preventer: An approved backflow prevention device incorporating (1) two independently acting check valves, (2) a hydraulically operated differential relief valve located between and below the two checks, (3) two shut-off valves, and (4) necessary appurtenances for testing.
- Y. Residential Dual Check: An assembly of two spring loaded, independently operating check valves without tightly closing shut-off valves and test cocks. Generally employed immediately downstream of the water meter to act as a containment device.
- Z. Reviewing Authority: The Massachusetts Department of Environmental Protection (DEP), and/or its Designee, is responsible for the review and approval of the installation of an approved backflow prevention device.

V. ADMINISTRATION

- A. The Commission will administer an active cross connection control program, to include the keeping of necessary records, which fulfills the requirements of the State DEP's Cross Connection Regulations and is approved by the Department.
- B. The owner shall allow his property to be inspected for possible cross connections and shall follow the provisions of the Commission's program and the Department regulations.

VI. REQUIREMENTS

A. COMMISSION

1. With new water service installations, the Commission will provide on-site evaluation and/or inspection of plans in order to determine the type of backflow preventer, if any, that will be required, and notify the owner of plan approval requirements by the appropriate reviewing authority.
2. For water services on premises existing prior to the start of this program, the Commission will perform surveys of the premises and reviews of as-built plans and issue a cross connection violation form, if required, to the owner detailing any corrective action needed, the method of achieving the correction, and the time allowed for the correction to be made. The time period allowed shall depend on the degree of hazard involved.

3. The Commission will not allow any cross connection to remain unless it is protected by an approved backflow preventer for which a permit has been issued and which will be regularly tested to insure satisfactory operation.
4. If the Commission determines at any time that a serious threat to the public health exists, the water service will be terminated immediately.
5. The Commission shall have on its staff, or shall have a delegated representative, who is a backflow prevention device tester and surveyor certified by the Commonwealth of Massachusetts.
6. The Commission will begin initial premise inspections to determine the nature of existing or potential hazards, following the approval of this program by the Department, during fiscal year 2002.
7. The Commission will annually notify water consumers and local public officials of the requirements of the Cross Connection Control Program.

B. OWNER

1. The Owner shall be responsible for the elimination or protection of all cross connections on its premises.
2. The Owner shall be responsible for applying for and obtaining all necessary approvals and permits for the maintenance of cross connections and installation of backflow prevention devices. The Owner shall be responsible for maintenance of backflow prevention devices.
3. The Owner shall have any device that fails an inspection or test repaired by a licensed plumber.
4. The Owner shall inform the Commission of any proposed or modified cross connection and also any existing cross connections of which the owner is aware but has not been found by the Commission.
5. The Owner shall not install a bypass around any backflow preventer unless there is a backflow preventer of the same type on the bypass. Owners who cannot shut down operation for testing of the device(s) must supply additional devices necessary to allow testing.
6. The Owner shall install backflow preventers in a manner approved by the Department and by the Commission. Reduced pressure backflow preventers and double check valve assemblies must be approved by the Department.
7. Any Owner of industrial, commercial, or institution premises having a water source other than the public water supply must be aware that a physical connection between the two systems must be maintained. If the second source is absolutely necessary i.e., a backup fire protection water supply source or auxiliary cooling system(s), a permit must be obtained if the source is to be cross connected to the public water supply. Permission to cross connect may be denied by the Commission or the Owner may be required to install a backflow preventer at the service entrance even if the private source is not connected to the public water supply. The Owner of any residential premises having a private well or other private water source will not be allowed a physical connection to the public water supply system.

8. The Owner shall be responsible for having reduced pressure backflow preventers tested semi-annually, and to double check valve assemblies and pressure vacuum breakers tested annually. All tests will be performed by a Massachusetts Certified Tester.
9. Backflow prevention devices will be tested more frequently than specified above in cases where there is a history of test failures and the Commission believes that additional testing is warranted. Cost of the additional tests will be born by the Owner.
10. The Owner shall be responsible for the payment of all fees for permits, device testings, retesting if the device fails to operate correctly, and second re-inspections for noncompliance with Commission or Department requirements.
11. The Owner shall maintain on the premises complete records on all devices for the life of said devices including as-built plans and design data sheets, and shall maintain Inspection and Maintenance Report Forms for seven years.
12. Owners or operators of commercial, industrial or institutional premises served by the public water supply system shall authorize the Commission, upon presentation of credentials, to enter their premises without a warrant for the purpose of inspecting and surveying their water systems for a cross connection.

VII. DEGREE OF HAZARD

The Commission may require a backflow preventer device on the water service entrance to any customer who, as a result of unprotected cross connections, could contaminate or pollute the public water supply system.

VIII. ENFORCEMENT

The Commission shall not allow a cross connection to exist with the public water supply system unless otherwise authorized and only until all appropriate approvals and permits have been issued.

IX. EXISTING IN-USE BACKFLOW PREVENTION DEVICES

Any existing backflow preventer shall be allowed by the Commission to continue in service unless the degree of hazard is such as to supercede the effectiveness of the existing backflow preventer, or result in an unreasonable risk to the public health. Where the degree of hazard has increased, i.e. residential installation converting to a business establishment, any existing backflow preventer must be upgraded to a reduced pressure backflow preventer, or a reduced pressure backflow preventer must be installed in the event that no backflow device is present.

X. TESTING

- A. Reduced pressure backflow preventers and double check valve assemblies may be tested and inspected by the Commission at any time. Testing shall be performed by the Commission's certified tester or his delegated representative, who shall be a certified tester.

- B. The testing shall be conducted during the Town's regular business hours. Exceptions to this, when at the request of the Owner, may require additional charges to cover the increased costs to the Town.
- C. Any backflow preventer installed on a potable water supply system which fails testing must be repaired or replaced by a licensed plumber. Repair of backflow devices on fire protection systems must be accomplished by licensed sprinkler repair personnel. When repairs are necessary, upon completion of the repair the device will be retested at the Owner's expense to insure proper operation. High hazard cross connections will not be allowed to continue unprotected if the backflow preventer fails testing and cannot be repaired immediately. For other cross connections, a compliance date of not more than 14 days after the test date will be established. The Owner is responsible for repair parts, repair tools, or a replacement device. Parallel installation of two devices is an effective means of insuring uninterrupted water service during testing or repair of devices and is strongly recommended should the owner desire such continuity.

XI. RECORDS AND REPORTS

A. RECORDS

The Commission will initiate and maintain the following:

1. Master files of customer cross connections tests, inspections (surveys) and installations.
2. Copies of lists and summaries supplied to the Massachusetts Department of Environmental Protection (DEP).

B. REPORTS

The Commission will submit an annual statistical summary report of all licensed and registered cross connections to the Massachusetts DEP.

ADDENDUM

1. STRAINERS

The Commission strongly recommends that all new and retrofit installations of reduced pressure backflow preventers and double check valve assemblies include the installation of strainers located immediately upstream of the backflow device. The installation of strainers will preclude the fouling of backflow devices due to both foreseen and unforeseen circumstances occurring in the water supply system such as water main repairs, water main breaks, fires, periodic cleaning and flushing of mains, etc. These occurrences may "stir up" debris within the water main that will cause fouling of backflow devices installed without the benefit of strainers. Strainers must be inspected and properly maintained to prevent fouling and deterioration of the mesh.

SAMPLE DOCUMENT

Please submit design data sheets to:

Milton Water Department
Cross Connection Control Program
629 Randolph Avenue
Milton, MA 02186

If there are any unusual circumstances which have kept you from submitting corrective plans or you have any questions, please contact the Cross Connection Control Department at the Milton Water Department at (617) 696-5768.

Very truly yours,

Cross Connection Inspector

Attachment

cc: DEP/DWS Regional Office
Plumbing Inspector
Board of Health

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
CROSS CONNECTION CONTROL - DISTRIBUTION PROTECTION
CROSS CONNECTION REGULATIONS
310 CMR 22.22**

HIGHLIGHTS

Method of Backflow Prevention - In-Plant Protection: Approved backflow prevention devices must be located in a manner which provides simultaneous protection of the public water system and the potable water system within the premises.

DEP Permit Required: Any person owning or occupying premises where one or more cross connections shall annually apply for and obtain a separate permit from DEP for each reduced pressure backflow preventer or double check valve assembly required by 310 CMR 22.22.

Installation and Approval Required: Permit applicants must submit plans to DEP for approval prior to installation of any air gap separation with tank and pump arrangement, reduced pressure backflow preventer, or double check valve assembly.* Permit applicants also must receive a plumbing permit from the local plumbing inspector prior to the installation of any backflow prevention device in a plumbing system.

Installation and Testing of Devices Required: Within 14 days of the installation of a cross connection control device required by DEP, the permit applicant shall notify the local water supplier to arrange an initial inspection of the installation. The owner or occupant of the premises where a reduced pressure backflow preventer is located is required to have each device tested semiannually. Double check valve assemblies must be tested once a year. Testing is to be performed by a DEP Certified Backflow Device Tester. The results of testing must be recorded on DEP's Inspection and Maintenance Report Forms and submitted to DEP within thirty (30) days of the test. Backflow prevention devices may be tested by the local water supplier at any time.

Types of Backflow Prevention Required: The type of device required is dependent upon the degree of health hazard and type of backflow involved. DEP maintains a list of backflow prevention devices approved for use in Massachusetts.

DEP Cross Connection control Program recommends the elimination of the cross connection whenever possible. In many cases, re-piping some portion of a facility may eliminate or reduce the number of backflow preventers needed which could result in significant cost savings to the owner and additional protection for all water consumers. DEP encourages the owner to discuss this option with his/her plumber.

* DEP has delegated to your water supplier the authority to review the installation plans. In such instances, the plans for installation should be directed to your local water supplier.

EXHIBIT A
CROSS CONNECTION CONTROL-
INFORMATIONAL MEETING NOTICE

CROSS CONNECTION CONTROL PROGRAM

Dear

In order to protect the drinking water distribution system from contamination, the Milton Water Department is required to implement a cross connection control program. As part of a cross connection control program, the Milton Water Department must survey all industrial, commercial, and institutional premises to determine if cross connections exist, and, if they do, that they are eliminated or maintained by the proper backflow protective device.

What is a cross connection? A cross connection is an actual or potential connection between a potable water supply and a source of contamination or pollution. They occur whenever a potable drinking water line is directly or indirectly linked with non-potable equipment or piping. Examples of where cross connections can usually be found include dishwashers, air conditioning systems, fire protection systems, irrigation systems and boilers. An unprotected or inadequately protected cross connection of a building could contaminate the drinking water not only within that building but throughout the neighboring buildings and homes.

What are the health impacts from inadequate and unprotected cross connections? Severe illnesses and injuries--even death--have resulted from cross connection contamination events that could have been prevented. Such events have been known to cause outbreaks of hepatitis A, gastroenteritis, Legionnaire's disease, chemical poisoning and body lesions (from exposure through showering). They also can rupture plumbing fixtures and cause explosions.

What should you do? To help explain the cross connection control program, Milton Water Department will be holding an informational meeting. The purpose of this meeting is to alert the public and public officials to the hazards associated with inadequately protected cross connections. The meeting will provide general information regarding health issues, benefits and costs associated with protecting our drinking water system from potential contamination from cross connections.

The informational meeting will be held on _____, 200__ from _____ to _____ at _____.

All interested parties are welcome to attend. For more information on cross connection control, please contact _____ at _____.

Sincerely,

Superintendent
Milton Water Department

cc: DEP/DWS, 1 Winter St., Boston, MA 02108

ATTN: WQA/Distribution Protection

enclosure (Cross Connection Brochure)

EXHIBIT B
PERMIT APPLICATION RESPONSE

CROSS CONNECTION CONTROL PROGRAM
629 Randolph Avenue
Milton, MA 02186

RE:

Dear

The Milton Water Department has reviewed your application and plan for the proposed cross connection installation mentioned above. The title block on the plan reads as follows:

The information submitted shows you propose to install the following:

<u>Device Type</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Location of Installation</u>

In accordance with Chapter 111, Section 160A of the Massachusetts General Laws and 310 CMR 22.22 of the Massachusetts Drinking Water Regulations, the Department, hereby grants approval for the installation with the following provisions:

1. Drinking and domestic water lines, lines for safety showers, and lines for eye wash units must be taken off the upstream side of the backflow preventer for devices installed as in-plant protection.
2. The backflow preventer shall be located so as to permit easy access and provide adequate and convenient space for maintenance, inspection and testing.
3. Tightly closing valves must be installed at each end of the device.
4. The device must be protected from freezing, flooding and mechanical damage.
5. The owner or owner’s agent must maintain a spare parts kit and any special tools required for removal and reassembly of the device.

6. The owner or owner's agent must provide the necessary labor to assist the Department or water supplier in the initial inspection and testing of any installed device.

For Reduced Pressure Backflow Preventers

7. For devices installed as in-plant protection, the reduced pressure backflow preventer shall be installed on the owner's side of the water meter on the potable water supply line.
8. Before installing a reduced pressure backflow preventer, all pipelines shall be thoroughly flushed to remove foreign material.
9. The owner of the device shall be able to shut down water lines after reasonable notice during normal business hours to permit necessary testing and maintenance of the device. If it is not possible to meet this requirement, a by-pass line equipped with an approved type of reduced pressure backflow preventer shall be installed.
10. The reduced pressure backflow preventer and shut-off valves should be installed horizontally between 3 to 4 feet from the floor and a minimum of 12 inches from any wall. The backflow preventer and shut-off valves may be installed vertically provided that vertical installation is acceptable to the manufacturer of the device.
11. If the device is to be installed on a hot water line, a device approved for use at the elevated temperature must be used.
12. If a drain is to be provided for the relief valve port, there must be an approved air gap separation between the port and drain line. To be approved, the air gap must be twice the internal diameter of the discharge line.
13. All water lines shall be color coded according to the state plumbing code, except that water filtration plants, pumping stations, sewage treatment plants and sewage pumping stations shall label all water lines in lieu of color coding.

For Double Check Valve Assemblies

14. The double check valve assembly and shut-off valves must be installed in a horizontal alignment with the floor. The top of the check valves must be a minimum of 30 inches and a maximum of 54 inches from the floor, unless otherwise approved by the Department. The double check valve assembly and shut-off valves may be installed vertically provided that vertical installation is acceptable to the manufacturer of the device.
15. There must be at least 12 inches clearance between the double check valve assembly and any wall.
16. The double check valve assembly must be provided with suitable connections and appurtenances for testing.

In addition, the Milton Water Department requires that the installation be completed within thirty (30) days after the receipt of this letter. Following installation, you must contact this office to make arrangements for the initial inspection test.

As owner of this cross connection, you must be aware of the importance of maintaining these device(s). Unprotected cross connection can and have resulted in the loss of water supply and public health damage. You are responsible for compliance with Massachusetts Drinking Water Regulations, 310 CMR 22.22. Failure to take any action deemed appropriate by the Department of Environmental Protection or its designee, Milton Water Department, or otherwise failure to remain in compliance in the future with the applicable requirements, could subject you to legal action including, but not limited to, criminal prosecution, court-imposed civil penalties or civil administrative penalties. A civil administrative penalty may be assessed by the Department of Environmental Protection for each day you are in noncompliance with the requirement referred to above.

The Milton Water Department strongly recommends that you obtain a copy of 310 CMR 22.22 for information on legal responsibilities associated with installation of this device. You may obtain copies of the regulations by contacting the State House Bookstore at (617) 727-2834. Information is also available on the Internet at <http://www.state.ma.us/dep/brp/dws/dwspubs.htm#310CMR22>.

If you have any questions regarding this decision, please contact the Cross Connection Control Department at the Milton Water Department at (617) 696-5768.

Cross Connection Inspector

cc: Plumbing Inspector

EXHIBIT C
SURVEY NOTIFICATION FORM

CROSS CONNECTION CONTROL PROGRAM
629 Randolph Avenue
Milton, MA 02186

RE: Cross Connection Control Program

Dear

According to the Massachusetts Drinking Water Regulations for Cross Connections, 310 CMR 22.22, the Milton Water Department is required to implement a cross connection control program. As part of a cross connection control program, the Milton Water Department must survey all industrial, commercial, and institutional premises to determine if cross connections exist and, if they do, that they are maintained by the proper protective device(s).

According to 310 CMR 22.22, a cross connection is defined as "...any actual or potential connection between a distribution pipe of potable water from a public water system and any waste pipe, soil pipe, sewer, drain, or other unapproved source." Water of questionable quality or chemicals used in a system or equipment can end up in the drinking water line as a result of "back-pressure" or "back-siphonage". This is called backflow. Community drinking water systems, as well as internal facility drinking water systems, are continuously jeopardized by cross connections unless appropriate valves, known as backflow prevention devices, are installed and maintained.

This office wishes to conduct a survey of your premises located at _____.
Surveying of your facility will begin on _____. The survey will be conducted by
a Massachusetts Certified Cross Connection Control Surveyor.

There is no charge for this initial survey and/or one follow-up survey. Additional surveys will be conducted and charged at prevailing rates. See attached schedule.

If you have any questions or concerns, please contact the Cross Connection Control Program.

Thank you for your cooperation.

Very truly yours,

Cross Connection Inspector

EXHIBIT D
INITIAL SURVEY RESULT FORM

CROSS CONNECTION CONTROL PROGRAM
629 Randolph Avenue
Milton, MA 02186

RE: Cross Connection Control Survey

Dear

THIS IS AN IMPORTANT NOTICE. FAILURE TO TAKE ADEQUATE ACTION IN RESPONSE TO THIS NOTICE COULD RESULT IN SERIOUS LEGAL CONSEQUENCES.

On _____, Inspector _____,
of the Milton Water Department Cross Connection Control Program conducted a survey of your property located at _____.
This survey was conducted in accordance with the Massachusetts Drinking Water Regulations governing cross connections, 310 CMR 22.22 and the Town of Milton Cross Connection Control Program Regulations.

As you know, this survey was initiated to determine if there were any actual or potential connections between the drinking water distribution system and any non-potable unit or source.

The following violation(s) of 310 CMR 22.22 [was/were] found by the inspectors as a result of the survey:

1. [Violation 1] water line feeding this equipment requires re-piping to remove this unprotected cross connection or the installation of an approved reduced pressure backflow preventer for protection. (process water - chemicals)
2. [Violation 2] water line feeding this equipment requires re-piping to remove this unprotected cross connection or the installation of an approved reduced pressure backflow preventer for protection. (process water - mechanical systems)
3. [Violation 3] Fire System - fire pipe supply line requires the installation of an approved double check valve assembly at the point of entry to the building for backflow prevention. (external pumper connection and non-potable piping material)

[The following paragraph applies to those areas where hoses are generally attached to the water outlets.]

4. Entire premises - All sinks with threaded outlets not protected by an atmospheric vacuum breaker, sill cocks, taps, draw offs, etc., must be equipped with hose bib type vacuum breakers so that hoses will not become unprotected cross connection. (anti-siphon device)

Massachusetts Drinking Water Regulations governing Cross Connections, 310 CMR 22.22 stipulate that a plumbing plan and design data sheet detailing the correction of each of these violations, #1-#5 must be submitted to the Cross Connection Control Department for review and approval. These plans should be sent to:

Milton Water Department
629 Randolph Avenue
Milton, MA 02186
Attn: Cross Connection Control Program

Attached please find a copy of the design data sheet. The design data sheet(s) and plumbing plan(s) must be submitted to this office for review and approval within thirty (30) days of the receipt of this letter.

Please note, the Milton Cross Connection Control Program recommends the elimination of the cross connection wherever possible. In many cases, re-piping some portion of your facility may eliminate or reduce the number of backflow preventers needed which could result in significant cost savings to you and additional protection for all consumers connected to the public water system. We encourage you to discuss this option with your plumber.

In situations of economic hardship, time extension may be granted. In order for an extension to be considered, a request must be made to Cross Connection Control Program in writing, indicating the reasons for the extension and the proposed schedule for installation. This must be submitted with the design data sheet and plumbing plan according to the previously mentioned time frame.

The Milton Water Department does not, under any circumstances, recommend or endorse any person, agent, company, contractor, etc., to engage in the correction of the violation(s) contained within this violation notification. However, this violation notification is considered to be a public record and may be obtained by any interested parties under the guidelines set forth in the Massachusetts Public Records Law.

If further information is necessary, please contact the Cross Connection Control Program on Monday through Friday between the hours of 8:00 a.m. and 4:00 p.m. Please be advised if you feel that any or all of the above-mentioned violations are incorrect, please submit a written statement listing the violation(s) that you feel are in error and your facility will be re-evaluated. In addition, the Town of Milton does have a formal appeal process. For more information, you should contact the Town of Milton Cross Connection Control Program Administrator at (617) 696-1866.

Thank you for your cooperation on the matter.

Very truly yours,

Cross Connection Inspector

Attachment

cc: Plumbing Inspector
Board of Health

EXHIBIT E
FIRST FOLLOW-UP SURVEY RESULT FORM

CROSS CONNECTION CONTROL PROGRAM
629 Randolph Avenue
Milton, MA 02186

RE: Cross Connection Violation

Dear

THIS IS AN IMPORTANT NOTICE. FAILURE TO TAKE ADEQUATE ACTION IN RESPONSE TO THIS NOTICE COULD RESULT IN SERIOUS LEGAL CONSEQUENCES.

On _____, you were notified in writing by this office of the cross connection violation(s) at your property located at _____.

These violation(s) were found on your property during a survey conducted by our inspectors. You were requested to submit proposed corrections of the violation(s) within thirty (30) days of the above mentioned letter. As of this date we have not received a design data sheet and plumbing plan for any of the violations, nor has anyone contacted our office concerning this matter.

Unprotected or improperly protected cross connections are strictly prohibited under Massachusetts Drinking Water Regulations governing cross connections, 310 CMR 22.22 and can jeopardize the drinking water quality and health of all persons served by this public drinking water system.

You are hereby required to submit plans to this office within fourteen (14) days of receipt of this letter to:

Milton Water Department
629 Randolph Avenue
Milton, MA 02186
Attn: Cross Connection Control Program

If you fail to take the requested action by the prescribed deadline, you could be subject to legal action, including but not limited to, termination of your water service, court imposed civil penalties or civil administrative penalties assessed by the Town of Milton and/or the Massachusetts Department of Environmental Protection.

Should you need further information on this matter, please do not hesitate to contact the Cross Connection Control Department.

Very truly yours,

Cross Connection Inspector

cc: DEP/DWS Regional Office
Plumbing Inspector
Board of Health

EXHIBIT F
SECOND FOLLOW-UP SURVEY RESULT FORM

CROSS CONNECTION CONTROL PROGRAM
629 Randolph Avenue
Milton, MA 02186

RE: Cross Connection Violation at _____

Dear

On _____, a cross connection survey was conducted at your premises located at _____ . During the survey, cross connection violations were detected. We have previously issued two requests for you to submit proposed corrections for the violation(s). The plans for the proposed correction(s) were due in this office _____. Attached, for your information, are copies of the two notices dated _____ and _____. As of this date, this department has not received the requested design data sheet submission for your property.

In accordance with the Town of Milton By-laws/Ordinances, **YOUR WATER SERVICE WILL BE TERMINATED ON** _____, unless this department receives design data sheets for your property within ten (10) days from the date of this letter. According to M.G.L. c111 S160 and the Massachusetts Drinking Water Regulations governing cross connection, 310 CMR 22.22(2)(a):

No physical cross connection shall be maintained between the distribution system of a public water system, the water of which is being used for drinking, domestic, or culinary purposes, and the distribution system of any water source not approved by the Department, as being of safe sanitary quality, or any plumbing, fixture, or device whereby non-potable water or other substances might flow into the potable water system, unless said connection has been protected by a backflow prevention device approved, in accordance with 310 CMR 22.22 or 248 CMR 2.00. as applicable.

In addition, 310 CMR 22.22(2)(h) states:

Subject to applicable laws and regulations, public water systems shall have the authority to terminate any water service connection to any facility where cross connections are found to be in non-compliance with 310 CMR 22.22.

According to 310 CMR 22.22(16)(a), failure to install the appropriate backflow prevention device required shall be 1) punished by a fine of not more than \$25,000 for each day such violation occurs or continues, or by imprisonment for not more than one year, or both such fine and imprisonment, or 2) subject to a civil penalty not to exceed \$25,000 per day for each day that such violation occurs or continues.

EXHIBIT G
CROSS CONNECTION FEE & PENALTY SCHEDULE

TOWN OF MILTON

CROSS CONNECTION RELATED FEE SCHEDULE 07/01/01

- 1.) Plan Review and Permit Application Fee \$200.00
- 2.) Annual Permit Renewal Fee \$100.00
- 3.) Site Survey and one follow-up survey in one calendar year No Charge
- 4.) Subsequent Site Survey visits in the same Calendar Year Cost of Labor & Material + 25%
- 5.) Testing and Inspection of Backflow Prevention Device \$100.00
- 6.) Fire Service Fee Annual \$200.00

PENALTIES

- 1.) Failure to install backflow preventer upon notification by the Town \$20.00 per day up to 14 days at
which time water is to be shut off
- 2.) Tampering with customer water meter the greater of \$1,000 or estimated water/sewer charges plus
10% from the period of last bona fide water meter reading to date
- 3.) Hydrant Tampering
 - First Offense \$100.00
 - Second Offense \$1,000.00
 - Third Offense \$5,000.00

The schedule above is subject to change based on periodic review by Board of Water Commissioners.