

DEPARTMENT OF PUBLIC WORKS WARWICK WATER DIVISION CROSS- CONNECTION CONTROL PROGRAM

SECTION 1

1.1 POLICY

1.1.1 The Warwick Water Division recognizes its inherent responsibility to provide its customers with clean potable water meeting the regulatory requirements of the Environmental Protection Agency (EPA) and Rhode Island Department of Health (RIDOH). In order to facilitate this, the Warwick Water Division must protect the public potable water supply from the possibility of contamination from plumbing and service infrastructure. The Warwick Water Division will take reasonable measures to protect the water distribution system from hazards originating on the premises of its customers by requiring containment of the property owner's internal distribution system from the public water system infrastructure of the Warwick Water Division. An appropriate backflow device shall be installed in every service line directly after the meter outlet valve and before any tap for an appliance, appurtenance, device pump, pressure vessel, apparatus or outlet intended to serve or handle potable water or fire service. Fixture isolation after the containment backflow shall be per the RI Plumbing code and appropriate code official. In all cases cross-connections are strictly prohibited. Violation of this policy shall result in immediate discontinuance of public water service.

1.2 PURPOSE

- 1.2.1** Protect the public water supply under the sanitary control of the Warwick Water Division from possible contamination through backflow, backsiphoning or introduction of contaminants from internal plumbing system or infrastructure under the sanitary control of the customer.
- 1.2.2** Promote the elimination or code compliant control of existing cross-connection, actual or potential, between the public water system and customer's potable water and non-potable systems.
- 1.2.3** Provide a continuing program of cross connection control awareness that shall effectively work to prevent the introduction of contaminants or pollution into the public potable water systems by cross-connection.

SECTION 2

2.1 AUTHORITY

- 2.1.1** The Federal Safe Drinking Water Act requires that the water purveyor have the primary responsibility for preventing water from unapproved sources, or any other substances, from entering the public potable water system. The Rhode Island Department of Health further clarifies this intent in their Rules and Regulations, which are hereby incorporated by reference and made a part hereof.
- 2.1.2** Rhode Island General Law (RIGL) 46-13-22 et seq. authorizes the RIDOH to adopt consistent statewide regulations governing the content of cross-connection plans and require public water systems to prepare and certify to RIDOH that said plans comply with the regulations under Section 9.4 RIDOH rules and regulations.
- 2.1.3** Rhode Island State Building Code, Plumbing Code Regulation SBC-3 makes the owner or designated agent responsible for safe and sanitary maintenance of the internal plumbing systems at all times in any of the owner's buildings or structures. It is unlawful to make any change in the occupancy of any structure, which will subject the structure to any special provision of the code or may adversely impact the public health, safety or welfare.
- 2.1.4** Warwick Water Division Cross-Connection Regulations have been implemented to comply with the RIDOH Rules and Regulations for containment devices to prevent any potential for contamination by the very nature of not allowing direct connection in any form, actual or potential, to plumbing or infrastructure not under the sanitary control of the water supplier or any non-potable or potential contamination source.

SECTION 3

3.1 RESPONSIBILITY

- 3.1.1** Warwick Water Division shall take reasonable steps for the protection of the public potable water distribution system from containment due to the backflow, backsiphonage or return of contaminants through the property owner's water service connection not under the sanitary control of the public water system. An approved backflow device shall be installed in every service line directly after the meter outlet valve and before any tap for an appliance, appurtenance, device, pump, pressure vessel, apparatus or outlet intended to serve or handle water. If, in the judgment of the Warwick Water Division, an expedited installation of an approved backflow device is required on any customer's existing service infrastructure of plumbing, the Water Division shall give notice in writing to said customer to cause the installation of an approved backflow prevention device at each service connection.

- 3.1.2 As a condition of service, the property owner shall cause the proper installation of an approved backflow device and associated thermal expansion device in any new construction. The installed device will be commensurate with the degree of potential hazard, as determined by the Warwick Water Division, and/or at a minimum meet the requirements in Section 7 of this regulation. All such backflow devices shall be positioned immediately after the outlet valve for the meter.
- 3.1.3 Owners shall, within 15 days of written notification of a deficiency, provide Warwick Water Division with a corrective action schedule for said remediation work or installation of an approved device or devices; at the customer's own expense.
- 3.1.3.1.1 For single family homes the schedule shall cause the installation to occur no later than forty five days from initial notification.
- 3.1.3.1.2 Installation for commercial properties and/or services 2 inch or greater shall in no case extend beyond forty five days from initial notification.
- 3.1.3.1.3 In accordance with the RIDOH regulations failure, refusal or inability on the part of the customer to install said device or devices to correct deficiencies within the schedule above, shall constitute grounds for discontinuing water service to the premises, without further notice until such corrective action has been completed and/or device or devices have been properly installed. In the case of a moderate or high hazard situation corrective action and/or installation of an appropriate device shall occur within 10 days of identification of the deficiency unless an extension of the timeline is granted by the Water Division.
- 3.1.3.1.4 Service shall be immediately terminated if access is refused to any location for carrying out a cross-connection survey or inspection of the service connection and appurtenances or an imminent hazard is posed.
- 3.1.4 The owner shall take immediate action to remedy any installation that in the opinion of the Warwick Water Division or local plumbing inspector presents an imminent danger to the public water supply. The owner shall install such approved device and obtain inspection approval from the Warwick Water Division and/or local plumbing code enforcement official.

SECTION 4

4.1 DEFINITIONS

- 4.1.1** Approved- Accepted by the Warwick Water Division as meeting applicable specification stated or cited in the regulations or as suitable for the proposed use, as determined by Warwick Water Division.
- 4.1.2** Division- Warwick Water Division proper or their designee, 935 Sandy Lane, Warwick, Rhode Island.

4.1.3 Auxiliary Water Supply- Any water supply, on or available to the premises other than the purveyor's approved public potable water supply.

4.1.4 Backflow- The flow of water or other liquids, mixtures or substances, under pressure into the distribution pipes of a potable water supply system from any source other than its intended source.

4.1.5 Backflow Preventer- A device or means designed to prevent backflow or backsiphonage. Most commonly categorized as air gap, reduced pressure principle device, double check valve assembly, pressure vacuum breaker, atmospheric vacuum breaker, hose bib vacuum breaker, residential dual check, and double check with intermediate atmospheric vent. All commercial devices must be made in the USA and must have been approved by all of the following associations: University of Southern California (FCCCHR, USC), American Water Works Association and American Society of Sanitary Engineers. All low hazard non testable residential dual or double check valve assemblies must at a minimum be ANSVASSE approved.

4.1.5.1 Air Gap- a physical separation sufficient to prevent backflow between the free-flowing discharge end of the potable water system and any other system. Physically defined as a distance equal to twice the diameter of the supply side pipe diameter, but never less than two (2) inches.

4.1.5.2 Atmospheric Vacuum Breaker- A device that prevents backsiphonage by creating an atmospheric vent when there is either a negative pressure or sub-atmospheric pressure in a water system.

4.1.5.3 Double Check Valve Assembly- An assembly manufactured and designed of two (2) independently operating spring loaded check valves with tightly closing shut off valves on each side of the check valves. Single check valves coupled together will not be considered.

4.1.5.4 Double Check Valves With Intermediate Atmospheric Vent- A device having two (2) spring loaded check valves separated by an atmospheric vent chamber.

4.1.5.5 Hose Bib Vacuum Breaker- A device which is permanently attached to A hose bib and which acts as an atmospheric vacuum breaker.

4.1.5.6 Non-Testable Dual Check- An assembly of two (2) spring loaded independently operating check valves without shut off valves.

4.1.5.7 Pressure Vacuum Breaker- A device containing two independently operated spring loaded check valves and an independently operated spring loaded air inlet located on the discharge side of the check or checks. Device includes tightly closing shut off valve on each side of

the check valves and properly located test cocks for the testing of the check valves(s).

- 4.1.5.8 Reduced Pressure Principle Backflow Preventer-** An assembly consisting of two (2) independently operating approved check valves with an automatically operating differential relief valve on each side of the check valves, tightly closing shut off valves on each side of the check valves, plus properly located test cocks for the testing of the check valves and the relief valve.
- 4.1.5.9 Testable Dual Check-** An assembly of two (2) springs loaded, independently operating check valves without tightly closing shut off valves and properly located test cocks for the testing of the test valves.
- 4.1.6 Backpressure-** A condition in which the owner's system pressure is greater than the supplier's system pressure.
- 4.1.7 Backsiphonage-** The flow of water or other liquids, mixtures or substances into the distribution pipes of a potable water supply system from any source other than its intended source caused by the sudden reduction of pressure in the potable water supply system.
- 4.1.8 Containment-** A method of backflow prevention which requires a backflow prevention device at the water service entrance directly after the meter outlet valve and before the first tap to any appliance, appurtenance, device, pump, pressure vessel, apparatus or outlet intended to serve or handle water.
- 4.1.9 Containment-** Any substance that has the potential to impair the quality of the water to a degree that it creates a health risk to the public, leading to poisoning or the spread of disease. It shall be considered in these regulations, any substance added to the potable water system, either directly or indirectly, other than by the Warwick Water Division.
- 4.1.10 Cross-Connection-** Any actual or potential connection between the public water supply and a source of contamination.
- 4.1.11 Customer-** Property owner of legal record as recorded in the land evidence records. See definition of owner below.
- 4.1.12 Deficiency Report-** Form letter notification of an inoperative device, non-complying installation or no device.
- 4.1.13 Fixture Isolation-** A method of backflow prevention in which a backflow device is installed to correct a cross-connection at an in plant location or location in the property owner's plumbing or distribution system not under the sanitary control of the public water supplier. An approved service entrance containment backflow

device must be installed in conjunction with the implementation of fixture isolation.

4.1.14 Occupancy- The use to which the property or building is occupied. The act of taking a property with the intent to own or occupy it.

4.1.15 Owner- Any person who has legal title to the property or premises as recorded in the land evidence records, or license to operate or habitat in a property upon which public water service is provided, and a cross-connection inspection or survey is to be made or upon which a cross-connection is or may be present.

4.1.16 Person- Any individual, partnership, company, public or private corporation, political subdivision or agency of the state, or instrumentality of the United States or any other legal entity.

4.1.17 Permit- A document issued by a city, town or local authority, specific to the installation, repair, or alteration of the plumbing or distribution system including but not limited to the installation and use of a backflow preventer.

4.1.18 Strainer- Approved device specifically designed for water systems to prevent fouling of backflow preventer devices.

4.1.19 Sanitary Control- The segregation point in the owners' water system after the meter at the outlet to the containment backflow device and before the first tap for any protected or unprotected branch intended to serve or handle water. Considered by the water purveyor to be the sanitary control containment point directly after the meter.

4.1.20 Service Pipe- The pipeline extending from the main to the building or private connection served.

4.1.21 Service Pipe Ownership-The service pipe from the distribution main to/and including, the curb stop is owned and maintained by the Warwick Water Division. The portion of the service pipe beyond the curb stop is owned, maintained and installed by the owner.

4.1.22 Water service entrance- The point in the property owner's water supply system beyond the sanitary control of the public water system. This will ordinarily be the outlet of the meter or containment backflow device.

SECTION 5

5.1 ADMINISTRATION

5.1.1 The Warwick Water Division will administer a cross-connection control program, to include cross-connection survey, inspection and the maintenance of necessary

records, which fulfill the requirements of the Cross-Connection Regulation published by the Warwick Water Division and approved by the Rhode Island Department of Health.

5.1.2 The Warwick Water Division will cause the survey of existing service connections to determine if a device currently exists meeting the minimum level of protection identified in section 7 of this program. At a minimum all commercial and residential properties shall be required to install a device meeting the minimum standards identified in section 7 of this program.

5.1.2.1 As a condition of receiving service every owner shall allow their property to be inspected for possible cross-connections by the Warwick Water Division and shall follow the provisions of the Water Division along with all federal and state laws, or rules and regulations enacted by the Rhode Island Department of Health to remedy any discrepancy.

5.1.3 The Warwick Water Division requires the public water supply be protected by a containment device in all water service applications. The owner shall be responsible for water quality beyond the outlet end of the containment device and shall utilize fixture outlet protection for that purpose, as prescribed in the plumbing code.

5.1.3.1 The Warwick Water Division program does not include fixture survey of plumbing appliances and manufacturing processes after the containment device. These items are covered under the plumbing code. The property owner shall utilize qualified independent cross-connection control specialist and/or plumbing official so licensed, to assist in the survey of the owner's facilities not under the sanitary control of the Water Division and to help in the selection of proper fixture outlet devices, and the proper installation of said devices. All costs shall be borne by the owner.

5.1.4 The Water Division will monitor the completion of necessary corrective action and/or containment device installation to correct any known or identified potential cross-connection. All documentation resultant from these type activities will be filed with the Water Division, in its' entirety, within 30 days of completion or the service is subject to termination.

SECTION 6

6.1 REQUIREMENTS OF THE WARWICK WATER DIVISION

6.1.1 The Warwick Water Division will provide review of all new commercial and industrial service installation plans, in order to determine the minimum protection level of the containment backflow preventer and strainer. The Warwick Water Division shall perform construction field inspections, as necessary, to ascertain that the device installation has occurred. The local plumbing inspector shall approve the final installation to be in compliance with the State of Rhode Island

Building Code. The owner must submit a copy of the approved plumbing permit inspection letter to the Water Division prior to any water meter and curb stop service activation.

In all cases of new construction, containment backflow preventers shall be installed and operational prior to final activation of water service for occupancy of the premises. Any water service, plumbing system or distribution system application with medium or high hazard potential for contamination of the potable water system as determined by Warwick Water Division shall be equipped with an RPZ reduced pressure zone style backflow preventer to ensure that the infrastructure not under the sanitary control of the public water system is contained within the property in a manner that isolates it from the public water distribution system. Isolation valves shall be located on both sides of the backflow preventer with drain or test plug on the inlet valve to facilitate testing and repair of the containment device.

The owner of an existing commercial /industrial property shall be solely responsible to retrofit said property with a containment backflow device upon written notification by the Warwick Water Division. The property owner must supply a copy of the local building official plumbing permit final installation inspection approval and any backflow test results to the Warwick Water Division as part of the installation confirmation process.

- 6.1.2** At a minimum, all new and single-family residential buildings will be required to install a dual check valve device immediately after the water meter outlet valve, and in all cases, before the first tap to any outlet or appliance. The owner shall cause to have this device properly installed and replaced every 10-years at no cost to the Warwick Water Division. Multi-unit residential apartments or condominiums fall under the commercial/industrial installation guidelines and require a testable reduced pressure zone vented device as identified in section 7.

Installation of a backflow assembly results in a potential closed plumbing system within the premises. As such, the owner shall also be responsible to take actions, as necessary, to ensure all provisions of the plumbing code have been met to provide for thermal expansion within the closed loop system, such as the installation of thermal expansion devices and/or pressure relief valves.

- 6.1.3** All backflow prevention devices shall be installed in an approved location that is not subject to submergence or inundation by surface water, purge water or any other forms that may cause the backflow device from performing. Sumps with sufficient pumping capacity to deal with the full flow of the devices shall be installed in all basement applications. Heated above ground structures designed with blowout panels, exclusively for backflow preventers are preferred, and shall be required at all times unless approved in other locations by the Warwick Water

Division. Pit locations are prohibited for new construction. The owner is responsible to provide a design that will adequately support the needs of the project.

- 6.1.4 All existing pits, used to house backflow preventers, shall be reviewed by the Warwick Water Division and local plumbing official, to determine if sufficient drainage is available to prevent submergence. All pits must be properly retrofitted to a design that will not adversely affect the proper operations of the backflow preventer and assure containment will not be compromised. Relocation to an above ground housing shall be considered, if necessary, based on both site conditions and hazards associated with occupancy. All costs for retrofit are to be borne by the owner and must be completed in accordance with the timeline identified in Warwick Water Division correspondence.
- 6.1.5 All new construction residential, commercial and industrial hose bibs shall be of a design, which incorporates a built-in tamper proof vacuum breaker feature as manufactured by the hose bib maker. All hose bib fixtures shall be American made. This requirement is applicable to all interior and exterior hose bib applications. Existing properties shall be retrofitted with non-removable hose bib vacuum breaker assemblies specifically designed to adapt to the existing hose bib configuration.
- 6.1.6 At a minimum all commercial or residential lawn sprinkler/irrigation systems shall be provided with an appropriate backflow device, installed at the point where the system connects to the water supply, as required by the plumbing code. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principle backflow preventer or air gap containment device. All devices shall be in a location that is always free draining and will not become submerged.
- 6.1.7 The Warwick Water Division shall not allow any cross-connection to remain. In all instances, an approved containment backflow device must be installed to protect the public potable water system. The owner shall have the device regularly tested to ensure satisfactory operation.
- 6.1.8 The Warwick Water Division shall inform the owner in writing of any compliance deficiency. In the event that owner fails to take corrective action to remedy all noted deficiencies within the specified timelines, the Warwick Water Division will inform the owner in writing that the water service to the owner's property/premises will be terminated. The Warwick Water Division may at its discretion, allow additional time for the correction of the deficiencies for extenuating circumstances which may prevent the owner from being able to comply within the specified timeline for compliance. A time extension may be granted by the Warwick Water Division for justifiable causes as determined by the Water Division.

6.2 REQUIREMENTS OF THE OWNER

- 6.2.1** In accordance with the requirements of the Rhode Island State Plumbing Code and Rhode Island Department of Health Regulations which are hereby incorporated by reference and made a part of hereof, the owner or the owner's designated agent shall be responsible to maintain the private infrastructure distribution and plumbing system in order that no hazard to life, health or property is created and not to allow any change in occupancy or use, which such change will result in any hazard to the public health, safety or welfare. To this end the owner shall be responsible for the elimination of all cross-connections within the property.
- 6.2.2** The owner, after having been informed by a letter of deficiency from the Warwick Water Division, shall install, maintain, test, or cause to have tested on an annual basis, any and all containment backflow prevention devices on the owner's premises at the owner's expense.
- 6.2.3** The owner shall immediately correct any malfunction of a containment backflow preventer, which is revealed during the periodic testing.
- 6.2.4** The owner shall inform the Warwick Water Division and local plumbing official of any proposed plumbing modifications that may result in a cross-connection or any existing cross-connections of which the owner may be aware.
- 6.2.5** The owner shall not install a bypass around any backflow preventer or strainer unless there is a backflow preventer and strainer of the same type on the bypass or an alternate design has been approved by the Warwick Water Division. Any bypass must be approved in advance by the Water Division and will be locked out and sealed by the Warwick Water Division. Owners who cannot cease operation for testing of the device(s) must supply additional devices necessary to allow testing to take place.
- 6.2.6** The owner shall install the containment backflow preventer and strainer in a manner approved by the Warwick Water Division and in compliance with manufactures instructions and State of Rhode Island Plumbing Code.
- 6.2.7** The owner shall install only backflow preventers and strainers approved by the Water Division and meeting the requirements of Rhode Island General Law 46-13-22.
- 6.2.8** Any owner having a private well or other private water source shall not cross-connect it to any plumbing or infrastructure receiving service from the Water Division's public water system. The owner shall be required to install a containment backflow preventer at the service entrance if a private water source is maintained on the site although not cross connected to the Water Division's system.

6.2.9 The owner shall be responsible for the payment of all fees associated with annual or semi-annual device testing, retesting in the case that the device fails to operate correctly, and all inspections for compliance with the Warwick Water Division rules and regulations, RI Department of Health regulations or plumbing code requirements.

SECTION 7

7.1 DEGREE OF HAZARD

7.1.1 The Warwick Water Division reiterates the threat to the public water system arising from cross-connections. All commercial multifamily occupancies and/or potential threats will be classified as high hazard and will require the installation of approved reduced pressure principle backflow prevention devices as the containment device.

7.1.2 All single family residential applications shall require the installation of a residential dual check valve assembly as the containment device at the time of new construction.

SECTION 8

8.1 EXISTING IN-USE BACKFLOW PREVENTION DEVICES

8.1.1 Any existing backflow preventer may be allowed by the Warwick Water Division to continue in service unless, as determined by the Warwick Water Division, the degree of hazard is such as to supersede the effectiveness of the present backflow preventer, or may result in an unreasonable risk to the public water supply. In the case of a residential installation converting to a business establishment, any existing backflow preventer must be upgraded to a reduced pressure principle device, or a reduced pressure principle device must be installed in the event that no containment backflow device was present in that the degree of hazard would increase.

8.1.2 Testing of existing backflow preventer is required prior to final acceptance for use and annually thereafter.

SECTION 9

9.1 PERIODIC TESTING

9.1.1 Reduced pressure principle backflow devices, testable double check valves and strainer(s) shall be tested and inspected at least annually.

9.1.2 All strainers shall be cleaned and disinfected annually or if circumstances dictate more frequently to ensure all precautions against backflow preventer fouling.

- 9.1.2.1** Annual and periodic testing shall be performed by a certified tester only. All annual and periodic testing, if not performed by the Warwick Water Division, shall be performed by certified testers employed by the owner. The owner shall be responsible for the payment of all costs associated with the testing and providing the certified test results to the Warwick Water Division.
- 9.1.3** All testing shall be conducted during the Warwick Water Division's regular business hours. Upon review of an owner's written request, the Water Division may approve conducting the testing during other than normal business hours, subject to special needs or circumstances that would not permit testing during normal business hours. The owner shall be responsible for any and all additional charges associated with after hour testing.
- 9.1.4** Any containment backflow device, which fails during a test, shall be immediately repaired or replaced. The device in question shall be retested upon completion of repairs to ensure correct operation at owner expense. High hazard situations shall not be allowed to continue unprotected operations if the backflow preventer fails the test and cannot be repaired immediately. In other high hazard situations, a compliance date of not more than (10) days after the test date will be established and will be determined by the Warwick Water Division.
- 9.1.4.1** In all cases, the owner shall be responsible to maintain appropriate spare parts, repair tools, and/or a replacement device as necessary so that no extended loss in services will be experienced.
- 9.1.5** The Warwick Water Division may require additional testing at owner expense in cases where there is a history of reoccurring test failures.

SECTION 10

10.1 RECORDS AND REPORTS

- 10.1.1** Records- The Warwick Water Division will initiate and maintain the following Documentation in conjunction with its billing system data base and large meter testing program:
- 10.1.1.1** Master list of service connections relying upon approved containment backflow preventers to protect the public water system.
 - 10.1.1.2** Inventory information on approved air gaps or backflow devices to include a description, installation date, history of inspections, tests and reported repairs and the name of the inspector tester.
 - 10.1.1.3** Program summary reports and backflow incident reports.

SECTION 11

11.1 ENFORCEMENT

11.1.1 Water service may be terminated to any customer or property owner who fails to complete any corrective action deemed necessary upon due notice or refuses access for the inspection of the service connection by a representative of the public water system. No more than 45 days shall be allowed for correction of a low level hazard and 10 days for a moderate or high level hazard unless an extension is granted by the public water supplier. Service shall be terminated immediately if access is refused to any location for the inspection of the service connection or infrastructure not under the sanitary control of the public water system or if an immediate hazard is posed.

11.1.2 Water service may be terminated immediately upon identification of an incidence of backflow or cross connection contamination. As a condition of service the customer and/or property owner shall assume all liability and hold harmless the Warwick Water Division for any and all claims resultant from a backflow or cross connection incident.

11.1.3 Warwick Water Division will follow the response procedures outlined in its Emergency Response Plan upon notification of backflow or cross connection incident. As a condition of receiving service, the customer and/or property owner shall be responsible for all costs associated with the response and remediation of a contamination event.

Providence Water Certified Backflow Testers List

#1 Backflow Testing Brian Feeney 527-9687	\$65.00 Backflow Testing 333-0685	\$75.00 Backflow Testing 354-6611	AAA Fire Protection David S. Matusko 617-695-6951	AAA Sprinkler Steven J. Depointe 732-8886	ABT - Accurate Backflow Testing 487-5979	Aero Mechanical 751-8880	Allied Fire Michael A. Haigh 828-2600
Allstate Fire Anthony Victoria 725-2600	Alpha Mechanical Patrick Martin 434-4500	American Pride Greg Chitoski 536-2716	Aqua-Tech Backflow Steven Gronski 944-9210	Armor Plumbing Michael Fiore 808-0830	Assured Fire Protect Anthony Costello 241-8187	AZ Corporation Jeffery Cooper 800-400-2420	Barlow's Backflow David Barlow 647-4902
Bob Larisa Plumbing Bob Larisa 247-0233	Cintas Fire Protection 723-7301	Cross Conn Testing John D. McEnery 556-1403	Crystal Plumbing Tony Marquez 353-0436	D & D Irrigation Co Donald Labriole, Jr 392-3216	David Anjos 640-9375	Delta Mechanical 737-3500	DiRocco Plumbing Nicholas J. DiRocco 255-5218
Encore Fire Protection 800-966-0000	Ernie Bacon Backflow 508-789-0799	F.G. Lees & Son Neal Lund 421-1358	Fire Protection Svcs 508-399-6073	Fleet Plumbing Christopher Boggia 647-4345	G & G Fire Protection Gary LeBlanc 508-222-6800	Gardner Plumbing Bill Gardner 433-1122	Gem Plumbing 861-7021
Green Lawn Sprinklers Marino Abatecola Jr 942-0870	Groundhog Pipeworks Joseph Cruz III 623-7793	J & J Plumbing John E. Braddock 232-7729	J Gioi Plumbing 946-9527	J Joyce Plumbing Richard Moniz 738-1625	Knight Plumbing David S. Knight 467-8410	Lu Gioi Plumbing Larry Gioi 232-7480	Malba Inc 508-699-1441
Malone Plumbing Thomas Malone 943-9790	Mandarin Inc Richard Mandarin 944-2400	MAP Cross Connection Alexander Punchak 725-2841	McKee Brothers John Yoakum 723-1100	Merit Service LLC 738-2898	Nick Martin 617-5250	Mr Rooter Brian Lapierre 739-3445	Pagnozzi Plumbing John Pagnozzi 232-2110
Pellegrino Plumbing Antonio Pellegrino 596-4416	Phillips Plumbing John A. Phillips 781-4228	Pierce Fire Protection Rodney Pierce 738-3473	Platinum Fire Robert Rananhan 774-319-5235	Poullins Backflow Paul Poulin 741-1006	Prime Systems Inc 781-9200	Professional Fire Dax P. Delvicario 508-644-3110	R G Clegg & Daughters Richard G. Clegg 475-2646
R.M. Fountaine Robert Fountaine 265-5391	R.W. Desrosiers Richard Desrosiers 723-0560	RI Backflow Frederick C. Lees Jr 421-1358	RI Cross Connection Jimmy J. Folco, Jr. 413-3871	RI Fire Protection Jason Denton 447-6875	Roto-Rooter Joseph Delicio 781-7686	Russell Hill Backflow Russell L. Hill, Jr. 272-5105	Rustic Fire Protection 508-431-9938
Steve Desmarais Plumbing 944-5167	Sal Maggiacomo Plumbing 942-2583	Simplex Grinnell 288-4600	Statewide Plumbing Mike Moreira 944-5752	Tom's Plumbing Tom Finegan 617-6322	Tri-State Fire Larry Rose 232-5960	William Riley Plumbing 738-1688	Zawadzki Plumbing Gary Zawadzki 739-9437

All Devices MUST be tested immediately after installation and every year thereafter