

1 Introduced October 28, 2008, by Councilman
2 Canada, seconded by Councilman Hursey, (by
3 request of Administration)

4 **Item No. 08-10-2779**

5 **ORDINANCE NO. 3511**

6 An ordinance amending the Code of Ordinances of the City of Slidell to add a
7 new section under Chapter 28 Utilities.
8

9 NOW THEREFORE BE IT ORDAINED that the Code of Ordinances of the
10 City of Slidell, Chapter 28 Utilities, is hereby amended to add a new section as follows:
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12 **ARTICLE II. WATER**

13 **“DIVISION 4**

14 **CROSS CONNECTION CONTROL**

15 **Sec. 28-78. Definitions.**

16 The following definitions shall apply only to this Division. For those terms not
17 defined in this Division, the definitions contained in the Louisiana State Plumbing
18 Code 2000 edition (hereinafter “LSPC, 2000 Edition”), and as amended, shall apply.
19 References to the LSPC, 2000 Edition in this Division shall apply to relevant
20 amendments to that Code.
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- 23 1. **“Approved”** means accepted or acceptable under an applicable specification
24 or standard stated or cited in the code, or accepted as suitable for the
25 proposed use under procedures and authority of the City.
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 - 27 2. **“Approved backflow prevention assembly for containment”** means an air
28 gap meeting ASME Standard A 112.1.2 - 1991 (R 1998) “Air Gaps in Plumbing
29 Systems” or a backflow prevention assembly which is listed by the University
30 of Southern California-Foundation for Cross Connection Control and Hydraulic
31 Research (USCFCCCHR) as having met the requirements of ANSI/AWWA
32 Standard C510-97 or ASSE Standard 1015-1993, “Double Check Valve
33 Backflow-Prevention Assemblies”, or ANSI/AWWA Standard C511-97 or
34 ASSE Standard 1013-1993, “Reduced-Pressure Principle Backflow
35 Assemblies” for containment. The listing shall include the limitations of use
36 based on the degree of hazard. The backflow prevention assembly must also
37 be listed by the ASSE in Table 606 of the LSPC, 2000 Edition or other testing
38 agency approved by the City. This term shall additionally include those
39 backflow prevention assemblies meeting ANSI/ASSE Standard 1047-1995,

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4 "Backflow Preventer, Reduced Pressure Detector Assembly", or ANSI/ASSE
5 Standard 1048-1995, "Backflow Preventer, Double Check Detector Assembly".

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- 7 3. **"Approved backflow prevention assembly for containment in fire**
- 8 **protection system"** means a backflow prevention assembly listed in Table
- 9 606 of the LSPC, 2000 Edition to be used in a fire protection system which
- 10 also meets the requirements of Factory Mutual Research Corporation (FM)
- 11 and Underwriters Laboratory (UL) and the requirement of the standard Codes
- 12 adopted by the City of Slidell. Devices sized smaller than 2½ inches which
- 13 have not been listed by Underwriters Laboratory (UL) and tested by Factory
- 14 Mutual Research Corporation (FM) may be allowed if approved by the State
- 15 Fire Marshal, and such device is listed in Table 606 of the LSPC, 2000 Edition.
- 16 Any such device under this definition shall minimally meet the definition of an
- 17 "approved backflow prevention assembly for containment". In addition, the
- 18 particular type of device to be used for a particular application/degree of
- 19 hazard shall be selected and installed in accord with the requirements of Table
- 20 D104 of the LSPC, 2000 Edition.
- 21
- 22 4. **"Approved testing agency"** means an organization primarily established for
- 23 purposes of testing to approved standards and approved by the City (e.g.,
- 24 American Society of Mechanical Engineers (ASME), American Society of
- 25 Sanitary Engineers (ASSE), American Water Works Association (AWWA),
- 26 American National Standards Institute (ANSI), Factory Mutual Research
- 27 Corporation (FM), Underwriters Laboratory (UL), University of Southern
- 28 California-Foundation for Cross Connection Control and Hydraulic Research
- 29 (USC-FCCCHR), etc.).
- 30
- 31 5. **"Auxiliary water supply"** means any water supply on or available to the
- 32 premises other than the City's approved public water supply such as, but not
- 33 limited to, a private well, pond or river.
- 34
- 35 6. **"Backflow"** means the flow of water or other liquids, mixtures, or substance
- 36 into the distribution pipes of a potable supply of water from any sources other
- 37 than its intended source.
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- 39 7. **"Backflow connection"** means any arrangement whereby backflow can
- occur.
8. **"Back-pressure backflow"** means backflow due to an increased pressure
- above the supply pressure. This may be due to pumps, boilers, gravity or other
- sources of pressure.

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- 4 9. **“Backflow preventer”** means a device or method to prevent backflow into the
5 potable water system.
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- 7 10. **“Backflow prevention assembly general tester”** means those individuals
8 holding a testing certificate from a nationally recognized backflow certification
9 organization approved by the State Health Officer. Such individuals are not
10 required to be a licensed plumber and are authorized to perform tests of
11 backflow prevention devices and methods. When such devices or methods are
12 located on private property, a backflow prevention assembly general tester is
13 not authorized to install, repair, or maintain such devices or methods. A
14 general tester may perform installation, maintenance or repairs, if the backflow
15 prevention device is on City property, after having obtained approval from the
16 City.
- 17 11. **“Backflow prevention assembly technician”** means a water supply
18 protection specialist licensed by the State Plumbing Board of Louisiana
19 pursuant to LA. R.S. 37:1361, *et seq.*, and its implementing regulations (LAC
20 46:LV.101, *et seq.*). All water supply protection specialists are Louisiana
21 licensed plumbers who hold such a special endorsement on their plumbing
22 license. Such individuals are authorized to test, install, repair, and maintain
23 backflow prevention devices and methods.
- 24 12. **“Back-siphonage”** means the flowing back of used, contaminated, or polluted
25 water from a plumbing fixture or vessel into a water supply pipe due to a
26 negative pressure in such pipe. (See “Backflow”)
- 27 13. **“City”** means the City of Slidell, through its Public Utilities Department unless
28 the context indicates otherwise.
- 29 14. **“Code”** The word “code” or “this code”, when used alone, shall mean these
30 regulations, subsequent amendments thereto or any emergency rule or
31 regulation which the City having jurisdiction may lawfully adopt.
- 32 15. **“Containment”** means a method of backflow prevention which requires the
33 installation of an air gap or a backflow prevention assembly immediately
34 following the water meter or as close to that location as deemed practical by
35 the City.
- 36 16. **“Contamination”** means an impairment of the quality of the potable water
37 which creates an actual hazard to the public health through poisoning or
38 through the spread of disease by sewage, industrial fluids or waste. Also
39 defined as “high hazard.”

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- 4 17. **“Cross-connection”** means any connection or arrangement, physical or
5 otherwise, between a potable water supply system and any plumbing fixture or
6 any tank, receptacle, equipment or device, through which it may be possible
7 for non-potable, used, unclean, polluted or contaminated water, or other
8 substances, to enter into any part of such potable water system under any
9 condition.
- 10 18. **“Customer”** means the owner, operator, or occupant of a building or property
11 which has a water service from a public water system, or the owner or operator
12 of a private water system which has a water service from a public water
13 system. “Customer” shall not include any residential connection used for
14 dwelling purposes, unless: i.) the residence is also used as a business
15 premises and the home-based business or occupation involves operation of a
16 home-based business or occupation which the City deems a potentially
17 significant and high hazard to the City water supply; ii.) the domestic water
18 service provided is also used for a landscape irrigation system; or, iii.) a
19 separate water service has been installed for landscape irrigation and other
20 non-domestic purposes.
- 21 19. **“Degree of hazard”** means the rating of a cross-connection or water service
22 which indicates if it has the potential to cause contamination or pollution.
- 23 20. **“Domestic sewage”** means the liquid and water-borne wastes derived from
24 the ordinary living processes, free from industrial wastes, and of such
25 character as to permit satisfactory disposal, without special treatment, into the
26 public sewer or by means of a private sewage disposal system.
- 27 21. **“Double check valve backflow prevention assembly”** means a backflow
28 prevention device consisting of two independently acting internally loaded
29 check valves, four properly located test cocks, and two isolation valves.
- 30 22. **“Existing work”** means a plumbing system, or any part thereof which has
31 been installed prior to the effective date of this Code.
- 32 23. **“Fire protection system”** means any system used for fire protection or
33 suppression with a direct connection to the public water supply, including but
34 not limited to sprinklers, stand-pipes, and siamese connections.
- 35 24. **“High hazard”** see “Contamination”.
- 36 25. **“High hazard cross connection”** means a cross-connection which may
37 cause an impairment of the quality of the potable water by creating an actual
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4 hazard to the public health, through poisoning or through the spread of disease
5 by sewage, industrial fluids, or waste.

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- 7 26. **“Industrial waste”** means any and all liquid or water-borne waste from
8 industrial or commercial processes, except domestic sewage.
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- 10 27. **“Isolation”** means a method of backflow prevention in which a backflow
11 prevention assembly is located at the cross-connection rather than at the water
12 service entrance.
- 13
- 14 28. **“Labeled”** means equipment or materials bearing a label or listing agency.
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- 16 29. **“Liquid water”** means the discharge from any fixture, appliance or
17 appurtenance in connection with a plumbing system which does not receive
18 fecal matter.
- 19
- 20 30. **“Listed”** means equipment or materials included in a list published by a listing
21 agency that maintains periodic inspection or current production of listed
22 equipment or materials and whose listing states either that the equipment or
23 material complies with approved standards or has been tested and found
24 suitable for use in a specified manner.
- 25
- 26 31. **“Listing agency”** means an agency accepted by the City which is in the
27 business of listing or labeling and which maintains a periodic inspection
28 program on current production of listed models, and which makes available a
29 published report of such listing in which specific information is included that the
30 product has been tested to approved standards and found safe for use in a
31 specific manner. (e.g., USC-FCCCHR, ASSE, etc.)
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- 33 32. **“Low hazard”** see “Pollution”.
- 34
- 35 33. **“Low hazard cross-connection”** means a cross-connection which may
36 cause an impairment of the quality of potable water to a degree which does not
37 create a hazard to the public health, but which does adversely and
38 unreasonably affect the aesthetic qualities of such potable waters for domestic
39 use.
- 34 34. **“Main”** means the principal artery of any system of continuous piping to which
35 branches may be connected.
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- 37 35. **“May”** is a permissive term.

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- 4 36. "**Pharmaceutical-grade antifreeze**" means a food-grade antifreeze such as
5 an inhibited propylene glyco-based fluid.
- 6 37. "**Point of entry**" means the point of connection to the potable water system.
- 7 38. "**Point of introduction**" means the point at which any additive is introduced to
8 the water supply system.
- 9 39. "**Pollution**" means an impairment of the quality of the potable water to a
10 degree which does not create a hazard to the public health but which does
11 adversely and unreasonably affect the aesthetic qualities of such potable
12 waters for domestic use. Also defined as "low hazard."
- 13 40. "**Potable water**" means water which is satisfactory for drinking, culinary, and
14 domestic purposes and meets the requirements of the state and city
15 departments of health.
- 16 41. "**Reduced pressure principle backflow prevention assembly**" means a
17 backflow prevention device consisting of two independently acting internally
18 loaded check valves, a differential pressure relief valve, four properly located
19 test cocks, and two isolation valves.
- 20 42. "**Sewage**" means any liquid waste containing animal or vegetable matter in
21 suspension or solution and may include liquids containing chemicals in
22 solution.
- 23 43. "**Shall**" The word "shall" is a mandatory term.
- 24 44. "**Table D 104**" refers to the table marked D 104 in appendix D of the LSPC,
25 2000 Edition, also known as the containment device table.
- 26 45. "**Table D 105**" refers to the table marked D 105 in appendix D of the LSPC,
27 2000 Edition, also known as the fixture isolation table.
- 28 46. "**Section D 106**" refers to the Section marked D 106 in appendix D of the
29 LSPC, 2000 Edition.
- 30 47. "**Water service**" Depending on the context, "water service" means the
31 physical connection between a public water system and a Customer's building,
32 property, or private water system, or the act of providing potable water to a
33 Customer.
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4 48. **“Water supply system”** means the water supply system of a building or
5 premises consisting of the building supply pipe, the water distributing pipes
6 and the necessary connecting pipes, fittings, control valves, and all
7 appurtenances carrying or supplying potable water in or adjacent to the
8 building or premises.

9 **Sec. 28-79. City.**

10 (a) The City shall have the right to enter, with the consent of the Customer, or
11 upon the basis of a suitable warrant issued by a court of appropriate
12 jurisdiction, any property to inspect for cross-connections.

13 (b) The State of Louisiana will approve training programs for “backflow prevention
14 assembly technicians” and register “backflow prevention assembly
15 technicians” who successfully complete a training program approved by the
16 State Plumbing Board of Louisiana as per LA. R.S. 37:1367(G) and LAC
17 46:LV.310, all of which applies to licensed plumbers.

18 In addition, the State Health Officer, through the LPSC, 2000 Edition, does
19 accept certain persons as “general testers” per Section D108.1.1 thereof. Such
20 individuals are known and defined herein as “backflow prevention assembly
21 general testers”. The limitations of jurisdiction/authority of “backflow
22 prevention assembly general testers” are described within said definition.

23 (c) The City shall collect a fee of \$25.00 for each inspection done by the City. The
24 inspection will only be for the City to make sure that the air gap or backflow
25 prevention device is in place and is the proper cross-connection control device
26 or method used in accord with Table D104 and Section D106.

27 (d) The City shall maintain records of cross-connection hazard surveys, and the
28 installation, testing, and repair of all backflow prevention assemblies installed
29 for containment purposes.

30 (e) Notwithstanding anything herein to the contrary, the City is authorized to take
31 additional actions which may not be specifically covered herein that are
32 deemed necessary to protect the City’s water supply from potential or actual
33 cross connections in accord with the requirements of the LPSC, 2000 Edition.

34 **Sec. 28-80. Water Services.**

35 A. New water services.
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- 4 1. Plans shall be submitted to the City for review on all new water services in
5 order to determine the degree of hazard.
- 6 2. The City shall approve the type of backflow prevention assembly or method
7 required for containment based on the requirement of Table D104 and degree
8 of hazard. If a cross-connection is not listed in Table D104, the City shall use
9 Table B1 of the "Manual for the Selection, Installation, Maintenance, and Field
10 Testing of Backflow Prevention Devices" (CAN/CSA Standard B64.10-1994)
11 as a guide to determine the type of device to require. (This document is
12 referred to in Table 606 of the LSPC, 2000 Edition.)
- 13 3. The City shall require the installation of the appropriate backflow prevention
14 assembly or method for containment before the initiation of water service.
- 15 B. Existing water service.
- 16 1. Any changes of, or additions to, existing water services shall be treated as new
17 water services for the purpose of this ordinance.
- 18 2. Within six (6) months after adoption of this ordinance, the City shall publish
19 and make available to each Customer a copy of the standards used to
20 determine the degree of hazard.
- 21 3. Each Customer shall survey the activities and processes which receives water
22 service and shall report to the City if cross-connections exist and the degree of
23 hazard. Upon a finding of hazard, the Customer shall cause the appropriate
24 backflow prevention assembly or method to be installed in a timely fashion.
- 25 4. For existing water services, the City may inspect the premises to determine the
26 degree of hazard. When high hazard cross-connections are found the City
27 shall:
- 28 a. Develop a schedule of compliance which the Customer shall follow, or
29 b. Terminate the water service until a backflow prevention assembly or
30 method for containment required by the City has been installed.
- 31 5. Failure of the City to notify a Customer that the Customer has a high hazard
32 cross-connection and should install backflow prevention assemblies or
33 methods for containment shall not relieve the Customer of the responsibility to
34 comply with all requirements of this section.
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4 **Sec. 28-81. Customer Duties.**

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- 6 (a) The Customer shall be responsible for ensuring that no cross-connections
7 exist without approved backflow protection within the Customer's premises
8 starting at the point of service from the public potable water system.
- 9 (b) The Customer shall, at the Customer's own expense, cause installation,
10 operation, testing and maintenance of the backflow prevention assemblies
11 required by the City. The Customer shall advise the City in advance of when a
12 device is to be tested to allow the City the opportunity to witness the test.
- 13 (c) Within fifteen (15) days after testing and/or repairs are completed, the
14 Customer shall provide the City with copies of records of the installation and of
15 all tests and repairs made to the backflow prevention assembly on a form
16 provided by the City.
- 17 (d) In the event of a backflow incident, the Customer shall immediately notify the
18 City of the incident and take steps to confine the contamination or pollution.
19 Water service will not be restored until corrective action is taken and approved
20 after inspection by the City.
- 21 (e) In accordance with Section D108.3.4 of the LSPC, 2000 Edition, the Customer
22 shall maintain records of installations, tests, repairs, overhauls, or
23 replacements of backflow prevention devices or methods for at least 5 years
24 and, upon request, such records shall be made available to the City.

25 **Sec. 28-82. Requirements.**

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- 27 A. City requirements:
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- 29 1. For premises existing prior to the start of this program, the City shall perform
30 evaluations and inspections of plans and/or premises and inform the Customer
31 by letter of any corrective action deemed necessary, the method of achieving
32 the correction, and the time allowed for the correction to be made. Ordinarily,
33 ninety (90) days will be allowed, however, this time period may be shortened
34 depending upon the degree of hazard involved and the history of the device(s)
35 in question.
- 36 2. The City shall not allow any cross-connection to remain unless it is protected
37 by an approved backflow preventer or an air gap for which a permit has been
38 issued and which will be regularly tested to insure satisfactory operation.
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- 4 3. The City shall notify the Customer by letter of any failure to comply at the time
5 of the first re-inspection or immediately following the first re-inspection. The
6 City will allow an additional fifteen (15) days for the correction. In the event the
7 Customer fails to comply with the necessary correction by the time of the
8 second re-inspection, the City shall notify the Customer by letter that the water
9 service to the Customer's premises will be terminated within five (5) days from
10 the Customer's receipt of such letter. In the event that the Customer informs
11 the City of extenuating circumstances as to why the correction has not been
12 made, a time extension may be granted by the City but shall not exceed an
13 additional thirty (30) days.
- 14 4. Notwithstanding anything to the contrary, if the City determines at any time that
15 a serious threat to the public health exists, the water service shall be
16 terminated immediately.
- 17 5. The City shall have on file a list of private contractors who are certified
18 backflow device testers and/or repairers. All charges for these tests, repairs,
19 etc., will be paid by the Customer of the building or property.
- 20 6. The City will begin initial premise inspections to determine the nature of
21 existing or potential hazards following the approval of this program by the City
22 Council and Mayor. Initial focus shall be on high hazard industries and
23 commercial premises.
- 24 B. Customer requirements:
- 25 1. The Customer shall be responsible for the elimination or protection of all cross-
26 connections on his premises.
- 27 2. The Customer, after having been informed by a letter from the Water Purveyor,
28 shall at his expense, install, maintain, and test or have tested, any and all
29 backflow prevention devices or methods on his premises.
- 30 3. The Customer shall correct any malfunction of the backflow prevention device
31 or method which is revealed by periodic testing.
- 32 4. The Customer shall inform the City of any proposed or modified cross-
33 connection and also any existing cross-connection of which the Customer is
34 aware but has not been found by the City.
- 35 5. The Customer shall not install a bypass around any backflow prevention
36 device or method unless there is a backflow prevention device or method of
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4 the same type on the bypass. Customers who cannot shut down operation for
5 testing of the device(s) or method(s) must supply additional devices or
6 methods necessary to allow testing to take place.

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- 8 6. The Customer shall install backflow prevention devices or methods in a
9 manner approved by the City and in conformance with the installation
10 requirements of Section 606 of the LSPC, 2000 Edition. In addition, devices
11 having an atmospheric port or discharge shall be installed such that the port or
12 discharge point is located at least 24 inches above the highest flood level
13 which may have occurred in the previous 10 year period.
- 14 7. The Customer shall install only backflow prevention devices or methods
15 approved by the City.
- 16 8. Any Customer having a private well, auxiliary water supply or other private
17 water source, must have a permit if the well, auxiliary water supply or source is
18 cross-connected to the City's system. Permission to cross-connect may be
19 denied by the City. The Customer may be required to install a backflow
20 prevention device or method at the service entrance if a private water source is
21 maintained, even if it is not cross-connected to the City's system.
- 22 9. In the event the Customer installs plumbing to provide potable water for
23 domestic purposes which is on the City's side of the backflow prevention
24 device or method, such plumbing must have its own backflow preventer
25 installed.
- 26 10. The Customer shall be responsible for the payment of all fees for permits,
27 annual or semi-annual device or method testing, re-testing in the case that the
28 device or method fails to operate correctly, and second re-inspections for
29 noncompliance with the City's requirements.

30 **Sec. 28-83. Required backflow prevention assemblies or methods for containment.**

31 A. Water Service Assemblies:

32 An air gap or an approved reduced pressure principle backflow prevention
33 assembly is required for water services having one or more potential cross-
34 connections which the City classifies as high hazard as defined by tables D104
35 and D105.

36 B. Fire Protection System Assemblies:

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- 4 1. All proposed installations of fire suppression systems shall be reviewed
5 by the Department of Inspections to determine the appropriate type of
6 backflow prevention devices or methods required.
- 7 2. For all proposed fire suppression systems using antifreeze, a reduced
8 pressure principle (#10 on Table D104) backflow prevention device shall
9 be installed at the point of entry. The Customer shall provide the City with
10 the design and chemical usage of the fire suppression system.
- 11 3. All existing fire suppression systems shall meet the requirements of Sec.
12 28-82(B)(9) above. An inspection by a fire suppression specialist shall be
13 done to determine whether antifreeze has been utilized in the suppression
14 system. The inspection shall be done at the expense of the Customer. If it
15 cannot be certified that antifreeze has been used, then a backflow
16 prevention device shall be installed as prescribed by Table D104 and as
17 approved by the City. Installation shall be at the expense of the Customer.
18 The required backflow prevention devices or methods shall be installed at
19 the time the system is repaired or changed, or within twelve (12) months
20 after adoption of this ordinance, whichever occurs first.
- 21 4. In the event cross-connections, such as those found in using auxiliary
22 water supply systems or in providing other water additives such as
23 foaming agents, are necessary for the proper operation of the fire
24 suppression system, then an air gap or a reduced pressure principle
25 backflow prevention device shall be installed in an approved manner.

26 **Sec. 28-84. Registration.**

27 A. Technician Registration:

28 Any backflow prevention assembly technician licensed by the State of
29 Louisiana must register with the City before performing work within the City of
30 Slidell. Any licensed backflow prevention assembly technician shall include
31 his/her state registration number on all correspondence and forms required by
32 or associated with this ordinance.

33 B. General Tester Registration:

34 Any backflow prevention assembly general tester shall present a copy of
35 his/her testing certificate from a nationally recognized backflow certification
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4 organization and shall register with the City before performing work within the
5 City of Slidell.

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7 **Sec. 28-85. Non-compliance by registered technicians or general testers.**

- 8 (a) The local registration of a technician or general tester may be revoked or
9 suspended for a period of up to two (2) years for non-compliance with this
10 ordinance.
- 11 (b) Any of the following conditions constitute non-compliance:
- 12 1. Improper testing or repair of backflow prevention assemblies or methods;
 - 13 2. Improper reporting of the results of testing or of repairs made to backflow
14 prevention assemblies or methods;
 - 15 3. Failure to meet registration requirements;
 - 16 4. Related unethical practices.

17
18 **Sec. 28-86. Installation of backflow prevention assemblies or methods.**

- 19 (a) The required backflow prevention assemblies or methods for containment shall
20 be installed in the manner recommended by the manufacturer and in accord
21 with the requirements of Section 606 of the LSPC, 2000 Edition, immediately
22 following the meter or as close to that location as deemed practical by the City.
23 In any case, it shall be located upstream from any branch piping. Installation at
24 this point does not eliminate the responsibility of the Customer to protect the
25 water supply system from contamination or pollution between the backflow
26 prevention assembly or methods and the water main.
- 27 (b) Reduced pressure principle backflow prevention assemblies shall be installed
28 so as to be protected from flooding. The port or discharge point shall be
29 installed such that it is located at least 24 inches above the highest flood level
30 which may have occurred in the previous 10 year period.
- 31 (c) Reduced pressure principle backflow prevention assemblies or methods shall
32 not be installed in underground vaults or pits, unless a gravity drainage system
33 designed by a Louisiana registered engineer for the particular site has been
34 approved by the state health officer. The intent of the exception to this section
35 is to possibly allow below grade installations on particular sites or lots having
36 sufficiently hilly ground at the proposed location of the device such that when
37 the vault or pit is constructed it may be equipped with positive gravity drainage
38 openings as to prevent any part of the device from being submerged. A
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4 recommended design standard for such an installation may be found in
5 Sections 606.4.1 and 606.4.2 of the 1994 Standard Plumbing Code.

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- 7 (d) All backflow prevention assemblies or methods shall be protected from
8 freezing. Those devices used for seasonal services may be removed in lieu of
9 being protected from freezing. However, the devices must be reinstalled and
10 tested by a registered backflow prevention assembly technician prior to service
11 being reactivated.
- 12 (e) If hot water is used within the water supply system, thermal expansion shall be
13 provided for when installing a backflow prevention assembly or method for
14 containment in accordance with Section 613.2 of the LSPC, 2000 Edition.
- 15 (f) Provisions shall be made to convey the discharge of water from reduced
16 pressure principle backflow prevention assemblies or methods to a suitable
17 drain through an air gap.
- 18 (g) No backflow prevention assemblies or methods shall be installed in a place
19 where they would create a safety hazard, such as, but not limited to, over an
20 electrical panel, or above ceiling level.
- 21 (h) If interruption of water service during testing and repair of backflow prevention
22 assemblies or methods for containment is unacceptable to the Customer,
23 another backflow prevention assembly or method of equivalent or higher
24 protection, sized to handle the temporary water flow needed during the time of
25 testing or repair, shall be installed in parallel piping.
- 26 (i) All backflow prevention assemblies or methods shall be installed so that they
27 are accessible for testing.
- 28 (j) All shut-off valves shall conform to the current edition of the LSPC, 2000
29 Edition requirements for either ball or resilient seat gate valves. Full port ball
30 valves shall be used on assemblies installed in piping two inches or smaller,
31 and full port resilient wedge-type shut off valves on assemblies installed in
32 piping larger than two inches.

33 **Sec. 28-87. Testing of backflow prevention assemblies or methods.**

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- 35 (a) Testing of backflow prevention assemblies or methods shall be performed by a
36 backflow prevention assembly technician or by a backflow prevention
37 assembly general tester registered with the City. The costs of tests required in
38 the following paragraphs shall be borne by the Customer.
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- 4 (b) Backflow prevention assemblies or methods shall be tested upon installation;
5 when cleaned, repaired, or overhauled; when relocated; and, shall be tested
6 and inspected at least once annually. Backflow prevention devices shall be
7 tested in accordance with CAN/CSA Standard B64.10-1994 or ASSE Standard
8 5010-1998.
- 9 (c) Backflow prevention assemblies or methods which are in place, but have been
10 out of operation for more than three (3) months, shall be tested before being
11 put back into operation. Backflow prevention assemblies or methods used in
12 seasonal applications shall be tested before being put into operation each
13 season.
- 14 (d) Any backflow prevention assembly or method which fails a periodic test shall
15 be repaired or replaced by a backflow prevention assembly technician when
16 such assembly is located on private property. When such a device is located
17 on public property, a backflow prevention assembly general tester may repair
18 or replace the device if authorized by the City. When water service has been
19 terminated for non-compliance, the backflow prevention assembly or method
20 shall be repaired or replaced prior to the resumption of water service. Backflow
21 prevention assemblies or methods shall be re-tested by a registered backflow
22 prevention assembly technician or by a backflow prevention assembly general
23 tester immediately after repair or replacement.
- 24 (e) The Department of Inspections may require backflow prevention assemblies or
25 methods to be tested at any time in addition to the annual testing requirement.
- 26 (f) The registered backflow prevention assembly technician or backflow
27 prevention assembly general tester shall report the testing of backflow
28 prevention assembly or method to the Customer and to the City within fifteen
29 (15) days of the test.
- 30 (g) The City may require, at its own cost, additional tests of individual backflow
31 prevention assemblies or methods as it shall deem necessary to verify test
32 procedures and results.

33 **Sec. 28-88. Repair of backflow prevention assemblies or methods.**

- 34 (a) All repairs to backflow prevention assemblies or methods on private property
35 shall be performed by a licensed plumber holding a special water supply
36 protection specialist endorsement on his plumbing license, herein defined as
37 backflow prevention assembly technician.
38
39

- 4 (b) After obtaining approval from the City, a backflow prevention assembly general
5 tester may perform repairs to backflow prevention assemblies or methods
6 located on public property.
- 7 (c) The registered backflow prevention assembly technician or backflow
8 prevention assembly general tester shall not change the design, material, or
9 operational characteristics of a backflow prevention assembly or method
10 during repair or maintenance, and shall use only original manufacturer
11 replacement parts, if available; if not available, shall use replacement parts
12 approved by the Department of Inspections.
- 13 (d) The registered backflow prevention assembly technician or backflow
14 prevention assembly general tester shall report the repair, overhaul, or
15 replacement of any backflow prevention assembly or method to the Customer
16 and to the Department of Inspections on the form provided by the Department
17 of Inspections within fifteen (15) days of the repair.

18 **Sec. 28-89. Customer non-compliance.**

- 19 (a) The water service may be discontinued in the case of non-compliance with this
20 ordinance. Non-compliance includes, but is not limited to, the following:
21
- 22 1. Refusal to allow the City access to the property to inspect for cross-
23 connection;
 - 24 2. Removal of a backflow prevention assembly or method which has been
25 required by the City.
 - 26 3. Bypassing of a backflow prevention assembly or method which has been
27 required by the City.
 - 28 4. Providing inadequate backflow prevention when potential or actual cross-
29 connections exist.
 - 30 5. Failure to install a backflow prevention assembly or method which has
31 been required by the City.
 - 32 6. Failure to test and/or properly repair a backflow prevention assembly or
33 method as required by the City.
 - 34 7. Failure to comply with the requirements of this ordinance.

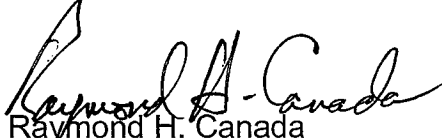
35 **Sec. 28-90. Penalty for violation.**

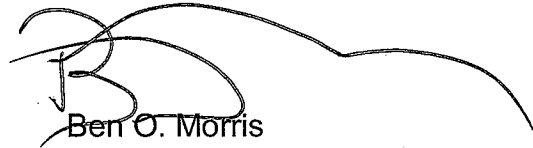
36 Apart from any other penalties or sanctions imposed by local or state laws,
37 any person found guilty of violating any provision of this Division shall be guilty of a
38 misdemeanor and, upon conviction thereof, shall be punished in accordance with
39

1 **ORDINANCE NO. 3511**
2 **ITEM NO. 08-10-2779**
3 **PAGE 17**

4 Section 1-12 of the City's Code of Ordinances. Each day that a violation is allowed
5 to continue shall constitute a separate and distinct violation.”

6 **ADOPTED** this 18th day of November, 2008.
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9 
10 Raymond H. Canada
11 President of the Council
12 Councilman, District E

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14 
15 Ben O. Morris
16 Mayor

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18 Thomas P. Reeves
19 Council Administrator
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DELIVERED	1:10 p.m.
11/21/08	to the Mayor
RECEIVED	1:00 p.m.
12/2/08	from the Mayor

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