

CHAPTER 16

WATER

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CHAPTER 16
WATER

ARTICLE 16-1 ADMINISTRATION

- 16-1-1 Management of System
- 16-1-2 Receipts and Deposits

Section 16-1-1 Management of System

The Town Manager, under the direction of the Common Town Council, shall have the immediate control and management of all things pertaining to the Town water utility system and shall cause to be performed all acts that may be necessary for the prudent, efficient and economical management and protection of said water utility.

Section 16-1-2 Receipts and Deposits

The Town Clerk and the Assistant Clerk shall keep a correct account of all receipts, prepare all bills for water and materials furnished to consumers, collect the same and deposit the proceeds so collected to the credit of the town.

ARTICLE 16-2 APPLICATION FOR SERVICE

- 16-2-1 Application for Water Service
- 16-2-2 Grounds for Rejection of Application
- 16-2-3 Violation of Application Provisions

Section 16-2-1 Application for Water Service

Application for the use of water shall be made in person at the Town Hall by the owner or person with a vested property interest in the property to be served designating the location of the property and stating that the owner or person with a vested property interest in the property to be served will comply with all applicable rules and regulations.

Section 16-2-2 Grounds for Rejection of Application

The Town may reject any application for water service for any good and sufficient reason including the following: service not available under a standard rate; service which involves excessive serve expense; service which may affect the supply to other consumers; service to the premises until all charges against said premises then due and payable to the Town shall have been paid whether on account of water service connection, meter installation, billing for water previously supplied to the same premises,

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whether used by the applicant or against the premises, for which water service is requested.

Section 16-2-3 Violation of Application Provisions

For violation of any of the provisions relative to application for service, the Town Hall shall, at the expiration of fifteen days after mailing written notice to the last known address of the consumer and providing an opportunity for a hearing. At its option, the Town may remove the meter and discontinue service. Where the meter is thereafter reinstalled, the consumer shall first pay to the Town a reinstallation charge which shall be set by resolution of the Council.

ARTICLE 16-3 DEPOSIT

- 16-3-1 Deposit Required
- 16-3-2 Payment Responsibility

Section 16-3-1 Deposit Required

A deposit shall be charged for water service before such service commences to applicants who own property or person with a vested property interest in the property to be served. The amount of the deposit shall be set by resolution of the Council.

Section 16-3-2 Payment Responsibility

When a deposit is made, the individual in whose name such deposit is made shall be responsible for payment of all bills incurred in connection with the service furnished. Should service be terminated without payment, service shall not be restored until payment is made in full and a new deposit is made.

ARTICLE 16-4 DISCONTINUANCE OF SERVICE

- 16-4-1 Notice Required
- 16-4-1 Discontinuance Under Certain Conditions

Section 16-4-1 Notice Required

A. Any person who desires to discontinue the use of water shall file notice with the Clerk at least three working days in advance of intended termination of service. Responsibility for water consumed extends to the time of departure or to the time specified for departure, whichever occurs last.

B. Any person who fails to give notice of discontinuance of service as provided in subsection A will be responsible for all water used on the premises until a new application for water service is filed and accepted for that property.

C. The Town may discontinue water service under any of the following conditions:

1. To prevent fraud or abuse.
2. Disregard of Town rules pertaining to water service.
3. Emergency repairs.
4. Insufficient supply caused by factors outside the control of the Town.
5. Legal process.
6. Direction of public authorities.
7. Local emergency requiring emergency measures.
8. Tampering with meter by the consumer.
9. Nonpayment of bill as provided in Section 16-5-2.

D. Prior to terminating service for seasons listed in subsection C, items 2, 6, 8 or 9 of this section, the Town will give written notice to the consumer and provide an opportunity for a hearing for such consumer with the Town Manager of designee.

ARTICLE 16-5 RATES AND BILLS

16-5-1	Water Rates
16-5-2	Water Bills
16-5-3	Incorrect Bill
16-5-4	Customer Service Miscellaneous Fees
16-5-5	Commencement and Application of Charges
16-5-6	Irrigation and Construction Water

Section 16-5-1 Water Rates

A. The water rates shall be established for all consumers by resolution of the Town Council.

B. Sales tax shall be collected on all water sales.

Section 16-5-2 Water Bills

A. Water meters shall be read on the twentieth day of each month, as nearly as possible, and a separate bill shall be rendered for each meter and mailed on the last business day of each month. All water bills shall be due on or before the tenth day of the succeeding month. Bills shall become delinquent on the twentieth day of the succeeding month, and service may be discontinued on the twentieth day. The Town reserves the

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right to vary the dates or length of billing period, temporarily or permanently, if necessary or desirable.

B. Prior to terminating service for nonpayment of amounts due, the Town will give written notice to the consumer and provide an opportunity for a hearing for such consumer with the Town Manager or designee.

Section 16-5-3 Incorrect Bill

Any consumer may present a claim to the Town if the consumer believes that an incorrect bill has been received. Such claim shall be presented in person at the Town Hall before such bill becomes delinquent, provided that the consumer may make a claim following payment of the bill and payment of the bill shall not prejudice this claim. Such claim shall not exempt the consumer from delinquency if the bill is not paid on time.

Section 16-5-4 Customer Service Miscellaneous Fees

The following miscellaneous fees shall be charged:

A. Deposit. A refundable deposit, when closed account is paid in full, shall be collected for a new customer account as follows:

- | | |
|-----------|----------|
| 1. Owner | \$75.00 |
| 2. Renter | \$150.00 |

B. Miscellaneous Field Visit Fee. To recover costs incurred in sending a reader to a service address, \$15.00.

C. NSF Check Fee. For customer payment checks which have been returned to the Town by the customer's bank due to insufficient funds, \$25.00.

D. Delinquent Account Turn On Fee. Re-connecting fee following disconnection for non-payment of delinquent account, \$15.00.

Section 16-5-5 Commencement and Application of Charges

A. The Town shall commence service charges for a consumer when the water meter is installed or the connection is activated, regardless if water is used or not.

B. Charges for water service for additional units shall apply even if a unit is unoccupied.

Section 16-5-6 Irrigation, Livestock and Construction Water

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- A. All water supplied shall be metered whenever possible.
- B. A charge of two dollars per thousand gallons will be billed to all irrigation water users.
- C. All supplying of water to contractors engaged in construction work shall be negotiated with the Town.
 - 1. Non-refundable installation fee \$ 350.00
 - 2. Base under fee (any portion of month) \$ 100.00
 - 3. Consumption rate \$ 40.00 per 1,000 gallons. Plus \$35 per hour operator fee.
 - 4. Waterline Extension Based on current piping prices
 - 5. Residential Pools \$20 per truck load in town/\$30 per truck load out of town within 5-mile radius.

ARTICLE 16-6 METERS

- 16-6-1 General Provisions
- 16-6-2 Water Service and Meter Installation Fee Schedule
- 16-6-3 Meter Readings
- 16-6-4 Meter Tests

Section 16-6-1 General Provisions

- A. All water sold by the Town shall be metered by metes which shall be owned and maintained by the Town.
- B. All water meters shall be of a single type to be specified by the Water Utility Director.
- C. All water meters shall be placed on public property, right-of way or easement adjacent to consumer property.
- D. Water pipes and equipment belonging to the consumer shall be so arranged to permit the placing of a single water meter for the property convenient to the Town. If the water pipes and equipment belonging to the consumer are not arranged to permit such placement of a meter shall be considered as an additional account and shall be so billed.
- E. When two or more meters are installed on the same premises for different consumers, they shall be closely grouped and each meter shall be clearly marked as to the consumer to which it belongs.
- F. All mobile homes and R.V. parks shall be serviced by a single master meter.

Section 16-6-2 New Water Service and Meter Installation Fee Schedule

A. Fees for new water service and meter installation shall be:

Water meter only installation:

<u>METER</u>	<u>TOTAL*</u>
3/4"	\$500.00
1"	\$600.00
1 1/2"	\$1200.00
2"	\$1500.00

*COST = cost of meter, box, labor, inspections and administration.

Individual lots, up to and including 2 inch meter. The council may from time to time fix the rates and classification for new water service and meter installation fee schedule by resolution of the town council.

Town will schedule and do above work and supply equipment upon payment by the contractor. Typical site: new subdivision, new offsite (i.e. water, sewer, road) construction. Contractor will install all lines to and from, including meter box.

Subdivisions and meters over 2" – developer will furnish all materials and labor. Town will inspect work at initial call for framing inspection (\$75.00 fee).

B. The Town of Duncan Water Systems were purchased from private owners for the benefit of the residents of the community. Many of the old meters are in odd locations. This in no way affects the quality, cost or amount of water used; however, upon written request by the customer, water meters may be moved at the discretion of the Town. Charges for this move will be made as if a new meter was being installed and in accordance with Section 17-6-2(A).

Section 16-6-3 Meter Readings

A. If a water meter fails to operate and a reading cannot be taken, a bill will be made by the Town in an amount based on the average monthly billing of the previous three months or the same month of the previous three years, whichever is applicable.

B. In the even any dog kept on the premises interferes with meter reading by an employee of the Town and the meter is not read, a billing will be made by the Town in an amount based on the average monthly billing of the previous three months or the same month of the previous three years, whichever is applicable.

C. Any person seeking verification of reading may request and have the Town perform a special reading of water meter upon the payment of a deposit in an amount to be set by resolution of the council. If the special reading indicates that the regular meter reading was incorrect, such deposit shall be returned to the person seeking verification of reading; otherwise such deposit shall be retained by the Town as a charge for the special meter reading.

Section 16-6-4 Meter Tests

Any consumer, upon written application accompanied by a deposit set by resolution of the council, may have a meter tested for accuracy by the Town. If the meter registers a deviation from accuracy greater than fifteen percent, the deposit shall be refunded to the applicant and the indicated adjustment made in the water service charges for a total period not longer than the current period and the monthly period immediately preceding. If a meter so tested registers within fifteen percent of accuracy, the deposit shall be retained by the Town as a fee to pay the cost of such test. All inaccurate and defective meters shall be replaced by the Town immediately when detected at cost to the consumer.

ARTICLE 16-7 CONSUMER RESPONSIBILITIES

16-7-1	Consumer Water Facilities
16-7-2	Consumer Negligence
16-7-3	Right-of-Way
16-7-4	Installation of Lines
16-7-5	Protection of Town Property
16-7-6	Sprinkling Restrictions
16-7-7	Waste of Water
16-7-8	Inspections

Section 16-7-1 Consumer Water Facilities

The consumer shall have complete responsibility for the installation and maintenance of adequate water facilities on the premises and the Town shall not in any way be responsible for the installation, maintenance, inspection or damage of such facilities or damage caused by any defect in such facilities on the consumer's premises. Such facilities shall be maintained by the consumer in full compliance with any and all rules and regulations of the Town in addition to applicable Arizona Revised Statutes.

Section 16-7-2 Consumer Negligence

- A. Any damage to the Town water system or injury to Town employees caused by negligence of any consumer which required any repairs, replacements or damages, the cost of such shall be added to that consumer's bill and if charges are not paid, water service may be discontinued.
- B. Prior to adding such costs to the consumer's bill, the Town will give written notice to the consumer and provide an opportunity for a hearing for such consumer with the Town Manager or designee.

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Section 16-7-3 Right-of-Way

Each consumer shall provide to the Town such easement and right-of-way as is necessary to provide water service to that consumer.

Section 16-7-4 Installation of Lines

The Town may refuse to provide service unless the lines or piping installed on the premises in compliance with existing codes.

Section 16-7-5 Protection of Town Property

The consumer shall guarantee proper protection of Town property placed on the premises and shall permit access to it only to authorized representatives of the Town.

Section 16-7-6 Sprinkling Restrictions

In case of water shortage or scarcity the council may by resolution place any restriction which it deems necessary upon the use of water.

Section 16-7-7 Waste of Water

Consumers shall prevent unnecessary waste of water and keep all water outlets closed when not in actual use. All water outlets including those used in conjunction with hydrants, urinals, water closets, bathtubs and other fixtures must not be left running for any purpose other than the use for which they were intended. In addition to the penalty provided herein for code violations, the water supply may be turned off where any such waste occurs.

Section 16-7-8 Inspections

Whenever, in the judgment of the Town Manager or such person as may be authorized, it is deemed necessary to determine if the waste or abuse of water is occurring, that person may inspect the premises or building of any water consumer. Such person shall be vigilant to protect and remedy all abuses whether from waste or other improper use of water.

ARTICLE 16-8 MAIN EXTENSIONS

16-8-1	Size
16-8-2	Requirements
16-8-3	Minimum Standards
16-8-4	Costs
16-8-5	Inspection

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16-8-6 Replacement or Repair

Section 16-8-1 Size

All public water and extensions shall be installed in the size, type and manner as designed by an engineer registered in the State of Arizona and approved by Arizona Department of Health Services, Arizona Department of Environmental Quality and to comply with existing Building Codes.

Section 16-8-2 Requirements

- A. All water main extensions or water lines shall be valved to allow repairs without service disruption to a minimum adjacent property owners.
- B. All pipe shall meet minimum requirements as outlined by the National Sanitation Foundation.
- C. The developer shall, prior to any construction, submit the appropriate detailed plans showing the size, location and materials to be used in the construction of water lines and fire hydrants to the Town appointed representative.
- D. Upon completion of construction, the developer shall supply the Town with detailed as-built plans showing the size, location and material used in construction of water lines and fire hydrants to the Town appointed representative.

Section 16-8-3 Minimum Standards

The standards as set forth by the American Water Works Association shall be adopted as a minimum of performance for main and extensions.

Section 16-8-4 Costs

The developer causing an extension of water mains shall pay in full for the rights-of-way; the construction and installation of the lines, pipes and mains and all other appurtenances necessary for the extension.

Section 16-8-5 Inspection

When completed and approved by the appropriate authority, the council, if satisfied that the extension is in the public interest, suitable and compatible to the existing system in the Town, may by motion accept and approve the extension and authorize the use thereof provided that the extension shall first be conveyed to the Town free of any and all encumbrances.

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Section 16-8-6 Replacement or Repair

All persons who create, cause to be built or build any extensions of any water service shall also pay for any and all replacements of street surfacing, sidewalk, curbing and the like as become necessary as a direct or indirect result of the creation, building or construction of such extensions.

ARTICLE 16-9 LIABILITY

16-9-1 Interruption of Service

16-9-2 Liability Limited

Section 16-9-1 Interruption of Service

The Town shall notify the consumer in advance of any anticipated interruption of service when such advance notice is possible. The Town shall not be responsible for any interruption of water service caused by forces beyond its control.

Section 16-9-2 Liability Limited

No liability shall attach to the Town for any injury or damages that may result from turning on or shutting off the water in any main, service connection or pipe; or the restriction of use or discontinuance of any water service or any failure of the water supply regardless of any notice or lack of notice thereof. The Town shall not be held liable in any respect for the condition, defects, failure or use of any pipe, connection, fixture or appurtenance not belonging to the Town on any premises or for loss or damage resulting therefrom.

ARTICLE 16-10 REGULATIONS PART OF CONTRACT

All regulations contained in this chapter shall be considered a part of the contract of every person taking water from the water utility of the Town and every person taking water shall be considered as having expressly consented to be bound thereby. Consumers outside the Town limits shall, upon application for water service, be required to sign a statement agreeing to the regulations set forth in this chapter.

ARTICLE 16-11 SPECIAL AGREEMENTS

No statement contained in this chapter shall be construed as preventing any special agreement or arrangement between the Town and any large user of water whereby such

user may enter into negotiations with the Town for special rates or requirements as are in the best interests of the Town.

ARTICLE 16-12 CONSTITUTION ADVOCACY CLAUSE

Any paragraph or part of this ordinance declared unconstitutional shall affect that part and will not affect the remainder of this ordinance.

ARTICLE 16-13 CROSS-CONNECTION CONTROL PROGRAM

16-13-1	Purpose
16-13-2	Authority
16-13-3	Responsibility
16-13-4	Definitions
16-13-5	Administration
16-13-6	Requirements
16-13-7	Degree of Hazard
16-13-8	Permits
16-13-9	Exiting In-Use Approved Backflow Prevention Assemblies
16-13-10	Periodic Testing
16-13-11	Records and Reports
16-13-12	Fees and Charges
16-13-13	Addendum
16-13-14	Backflow Preventer Testing and Maintenance Agreement

Section 16-13-1 Purpose

- A. To protect the public water supply served by the Town of Duncan Water Department from the possibility of contamination or pollution by isolating, within its customers internal distribution system, such contaminants or pollutants which could backflow or back-siphon 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.

Section 16-13-2 Authority

- A. The Federal Safe Drinking Water Act of 1974, State regulation R-18-4-115 adopted April 28, 1995, State OSHA Standards 1910.141 and 1926.51, and the statutes of the State of Arizona, Title 18, Chapter 4, 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. Duncan Water Department, Rules and Regulations, adopted 1999.

Section 16-13-3 Responsibility

The Director of Municipal Services shall be responsible for the protection of the public potable water distribution system from contaminants or pollution due to the backflow or back-siphonage of contaminants or pollutants through the water service connection. If, in the judgment of the Director of Municipal Services, an approved backflow prevention assembly is required at the town's water service connection to any customer's premises, the Director, or his delegated agent, shall give notice in writing to said customer to install an approved backflow prevention assembly at each service connection to his premises. The customer shall, install such assembly, or assemblies, at his own expense, and failure or refusal, or inability on the part of the customer to install said assembly, or assemblies shall constitute a ground for discontinuing water services to the premises until such assembly or assemblies have been properly installed.

Section 16-13-4 Definitions

- A. Approved – Accepted by the Director of Municipal Services as meeting an applicable specification stated or cited in this regulation, or as suitable for the proposed use.
- B. Auxiliary Water Supply – Any water supply, on or available, to the premises other than the purveyor's approved public potable water supply.
- C. Backflow – The flow of water or other liquids, mixtures or substances, under positive or reduced pressure in the distribution pipes of a potable water supply from any source other than its intended source.
- D. Backflow Preventer – An assembly or means designed to prevent backflow or back-siphonage. 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, double check with intermediate atmospheric vent, and barometric loop.

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 one (1) inch.
 2. Atmospheric Vacuum Breaker – A device which prevents back-siphonage by creating an atmospheric vent when there is either a negative pressure or sub-atmospheric pressure in a water system.
 3. Barometric Loop – A fabricated piping arrangement rising at least thirty-five (35) feet at its topmost point above the highest fixture it supplies. It is utilized in water supply systems to protect against back-siphonage.
 4. Double Check Valve Assembly – An assembly of two (2) independently operating spring loaded check valves with tightly closing shut off valves on each side of the check valves, plus properly located test cocks for the testing of each check valve.
 5. Double Check Valve with Intermediate Atmospheric Vent – A device having two (2) spring loaded check valves separated by an atmospheric vent chamber.
 6. Hose Bib Vacuum Breaker – A device which is permanently attached to a hose bib and which acts as an atmospheric vacuum breaker.
 7. Pressure Vacuum Breaker – A device containing one or two independently operated spring loaded check valves and an independently operated spring loaded air inlet valve located on the discharge side of the check or checks. Device includes tightly closing shut-off valves on each side of the check valves and properly located test cocks for the testing of the check valve(s).
 8. Reduced Pressure Principle Backflow Preventer – An assembly consisting of two (2) independently operating approved check valves with an automatically operating differential relief valve located between the two (2) 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.
 9. Residential Dual Check – An assembly of two (2) 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.
- E. Backpressure – A condition in which the owners system pressure is greater than the suppliers system pressure.
- F. Back-siphonage – 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.

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G. Commission – The State of Arizona Water Supply and Pollution Control Commission.

H. Containment – A method of backflow prevention which requires a backflow prevention preventer at the water service entrance.

I. Contaminant – A substance that will impair the quality of the water to a degree that it creates serious health hazard to the public water supply and a source of contamination or pollution.

J. Cross-connection – Any actual or potential connection between the public water supply and a source of contamination or pollution.

K. Department – Town of Duncan Water Department.

L. Fixture Isolation – A method of backflow prevention in which a backflow preventer is located to correct a cross-connection at an in-plant location rather than at a water service entrance.

M. Owner – Any person who has legal title to, or license to operate or habitat in, a property upon which a cross-connection inspection is to be made or upon which a cross-connection is present.

N. Person – Any individual, partnership, company, public or private organization, political subdivision or agency of the State Department, agency or instrumentality or the United States or any other legal entity.

O. Permit – A document issued by the Department which allows the use of a backflow preventer.

P. Pollutant – A foreign substance, that if permitted to get into the public water system, will degrade its quality so as to constitute a moderate hazard, or impair the usefulness or quality of the water to a degree which does not create an actual hazard to the public health but which does adversely and unreasonable effect such water for domestic use.

Q. Water Service Entrance – That point in the owners water system beyond the sanitary control of the Department; generally considered to be the outlet end of the water meter and always before any unprotected branch.

R. Director of Municipal Services – The Director, or his delegated representative in charge of the Duncan Department of Municipal Services, is invested with the authority and responsibility for the implementation of a cross-connection control program and for the enforcement of the provisions of the Ordinance.

Section 16-13-5 Administration

- A. The Department will operate a cross-connection control program, to include the keeping of necessary records, which fulfills the requirements of the Commission's Cross-Connection Regulations and is approved by the Commission.
- B. The Owner shall allow his property to be inspected for possible cross-connections and shall follow the provisions of the Department's program and the Commission's Regulations if a cross-connection is permitted.
- C. If the Department requires that the public supply be protected by containment, the Owner shall be responsible for water quality beyond the outlet end of the containment device and should utilize fixture outlet protection for that purpose.

He may utilize public health officials, or personnel from the Department, or their delegated representatives, to assist him in the survey of his facilities and to assist him in the selection of proper fixture outlet assemblies, and proper installation of these assemblies.

Section 16-13-6 Requirements

- A. Department
 - 1. On new installations, the Department 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, will issue permit, and perform inspection and testing. In any case, a minimum of a dual check valve will be required in any new construction.
 - 2. For premises existing prior to the start of this program, the Department will perform evaluations and inspections of plans and/or premises and inform the Owner by letter of any corrective action deemed necessary, the method of achieving the correction, and the time allowed for the correction to be made. The Department may perform the initial testing at no charge, provided the Owner enters into agreement with the Department for the performance of periodic testing and maintenance.
 - 3. The Department 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. The Department shall inform the Owner by letter of any failure to comply, by the time of the first re-inspection. The Department will allow an addition thirty (30) days for the correction. In the event the Owner fails to comply with the necessary correction by the time of the second re-inspection, the Department will inform the Owner by letter that the water service to the

Owner's premises will be terminated within a period not to exceed five (5) days. In the event that the Owner informs the Department of extenuating circumstances as to why the correction has not been made, a time extension may be granted by the Department but in no case will it exceed an additional thirty (30) days.

5. If the Department determines at any time that a serious threat to the public health exists, the water service will be terminated immediately.
6. The Department shall have on file, a list of Private Contractors who are certified backflow assembly testers. All charges for these tests will be paid by the Owner of the building or property.
7. The Department will begin initial premises inspections to determine the nature of existing or potential hazards, following the approval of this program by the Commission. Initial focus will be on high hazard industries and commercial premises.

B. Owner

1. The Owner shall be responsible for the elimination or protection of all cross-connections on his premises.
2. The Owner, after having been informed by a letter from the Department, shall at his expense, install, maintain, and test, or have tested, any and all backflow preventers on his premises. The Owner may enter into agreement allowing the Department to test and maintain the required backflow preventers for an annual fee.
3. The Owner shall within ten (10) days correct any malfunction of the backflow preventer which is revealed by periodic testing unless agreement has been made with the department for maintenance.
4. The Owner shall inform the Department of any proposed or modified cross-connections and also any existing cross-connections of which the Owner is aware but has not been found by the Department.
5. The Owner shall not install a by-pass around any backflow preventer unless there is a backflow preventer of the same type on the by-pass. Owners who cannot shut down operation for testing of the assembly(ies) must supply addition assemblies necessary to allow testing to take place.
6. The Owner shall install backflow preventers in a manner approved by the Department.
7. The Owner shall install only backflow preventers approved by the Department or the Commission.
8. Any Owner having a private well or other private water source, must have a permit if the well or source is cross-connected to the Department's system. Permission to cross-connect may be denied by the Department. The Owner may be required to install a backflow preventer at the service entrance if a private water source is maintained, even if it is not cross-connected to the Department's system.

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9. In the event the Owner installs plumbing to provide potable water for domestic purposes which is on the Department's side of the backflow preventer, such plumbing must have its own backflow preventer installed.
10. The Owner shall be responsible for the payment of all fees for permits, annual or semi-annual device testing, re-testing in the case that the device fails to operate correctly, and second re-inspections for non-compliance with Department or Commission requirements.

Section 16-13-7 Degree of Hazard

The Department recognizes the threat to the public water system arising from cross-connections. All threats will be classified by degree of hazard and will require the installation of approved reduced pressure principle backflow prevention devices or double check valves.

Section 16-13-8 Permits

The Department shall not permit a cross-connection within the public water supply system unless it is considered necessary and that it cannot be eliminated.

A. Cross-connection permits that are required for each approved backflow prevention assembly are obtained from the Department. A fee of five (\$5) dollars will be charged for the initial permit and five (\$5) dollars for the renewal of each permit.

B. Permits shall be renewed every two (2) years and are non-transferable. Permits are subject to revocation and become immediately revoked if the Owner should so change the type of cross-connection or degree of hazard associated with the service.

Section 16-13-9 Existing In-Use Approved Backflow Prevention Assemblies

Any existing backflow preventer shall be allowed by the Department to continue in service provided it is an approved and properly installed assembly unless the degree of hazard is such as to supersede the effectiveness of the present backflow preventer, or result in an unreasonable risk to the public health. Where the degree of hazard has increased, as 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 approved backflow prevention assembly was present.

Section 16-13-10 Periodic Testing

A. Reduced Pressure principle backflow assemblies shall be tested and inspected at installation, repair, if any remodeling or a change in plumbing is done, and at least once a year.

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B. Periodic testing shall be performed by the Department's certified tester or his delegated representative. This testing will be done at the Town's expense.

C. The testing shall be conducted during the Department'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 Department.

D. Any backflow preventer which fails during a periodic test will be repaired or replaced. When repairs are necessary, upon completion of the repair the assembly will be retested at Owner's expense to insure correct operation. High hazard situations will not be allowed to continue unprotected if the backflow preventer fails the test and cannot be repaired immediately. In other situations, a compliance date of not more than thirty (30) days after the test date will be established. The Owner is responsible for spare parts, repair tools, or a replacement the assembly. Parallel installation of two (2) replacement the assemblies is an effective means of the Owner insuring that uninterrupted water service during testing or repair of assemblies and is strongly recommended when the Owner desires such continuity.

E. Approved backflow prevention assemblies will be tested more frequently than specified in A, above, in cases where there is a history of test failures and the Department feels that due to the degree of hazard involved, additional testing is warranted. Cost of the additional tests will be born by the Owner.

Section 16-13-11 Records and Reports

A. Records – The Department will initiate and maintain the following:

1. Master files on customer cross-connection tests and/or inspections.
2. Master files on cross-connection permits.
3. Copies of permits and permit applications
4. Copies of lists and summaries supplied to the Commission.

B. Reports – The Department will submit the following to the Commission.

1. Initial listing of low hazard cross-connections to the State.
2. Initial listing of high hazard cross-connections to the State.
3. Annual update lists of items 1 and 2 above.
4. Annual summary of cross-connection inspections to the State.

Section 16-13-12 Fees and Charges

The Department will publish a list of fees or charges for the following services or permits:

A. Testing fees

- B. Re-testing fees
- C. Fee for re-inspection
- D. Charges for after-hours inspections or tests.

Section 16-13-13 Addendum

A. Residential dual check – Effective the date of the acceptance of this Cross-Connection Control Program for the Town of Duncan all new residential buildings will be required to install a residential dual check device immediately down stream of the water meter. Installation of this residential dual check device on a retro-fit basis on existing lines will be instituted at a time and at a potential cost to the homeowner as deemed necessary by the Department.

The Owner must be aware that installation of a residential dual check valve results in a potential closed plumbing system within his residence. As such, provisions may have to be made by the Owner to provide for thermal expansion within his closed loop system, i.e. the installation of thermal expansion devices and/or pressure relief valves.

B. Strainers – The Department strongly recommends that all new retro-fit installations of reduced pressure principle devices and double check valve backflow preventer include the installation of strainers located immediately upstream of the backflow assembly. The installation of strainers will preclude the fouling of backflow assemblies due to both foreseen and unforeseen circumstances occurring to 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 assemblies installed without the benefit of strainers.

Rev. 11/20

Section 16-13-14 Backflow Preventer Testing and Maintenance Agreement

BACKFLOW PREVENTER TESTING AND MAINTENANCE
AGREEMENT

I do hereby authorize the Town of Duncan Water Department to install, test and maintain the required backflow preventer located at the following address:

_____ Make of Device: _____
_____ Model Number: _____
_____ Serial Number: _____
_____ Size: _____

I agree to purchase the preventer at my own expense and pay an annual fee determined by the size of the backflow preventer required.

Customer's Signature

ANNUAL FEE REQUIRED:

Size in inches

3/4" – 1"	\$35.00
1 1/4" – 1 1/2"	45.00
2" – 3"	55.00
4"	65.00