

## 10.0 CROSS CONNECTION AND BACKFLOW PREVENTION PROGRAM.

The purpose of the District's Cross Connection Control and Backflow Prevention Program is to protect the District's potable water distribution system from the possibility of contamination or pollution by containment of a potential contaminant or pollutant within the Customer's Installation where it arose. The Customer's Installation shall conform to all applicable rules including county and state building codes and Health Department requirements to eliminate the possibility of contamination or pollution of potable water within the Customer's Installation. The District's Cross Connection Control and Backflow Prevention Program shall comply with standards set forth by the Florida Department of Environmental Protection as provided within F.A.C. Chapter 62-555.360, Cross-Connection Control for Public Water Systems, F.A.C. Chapter 62-555.330(6), Guidance Documents for Public Water Systems which incorporates AWWA Manual M-14, and F.A.C. 62-610.450 which establishes public access reuse requirements as amended. Failure to comply with any provision of these Cross Connection and Backflow Prevention rules may result in immediate termination of service.

10.1 CROSS CONNECTION CONTROLS. There shall be no connection of a potable private well, irrigation private well, reuse irrigation system, wastewater system or similar systems of any kind to the District's potable water distribution system.

10.2 BACKFLOW PREVENTION. Every potable water Point of Delivery will incorporate a backflow prevention device or assembly appropriate for the degree of potential hazard (health/high hazard or non-health/low hazard). Selection of the appropriate backflow prevention device or assembly (using principles within AWWA Manual M-14) to be used at any Point of Delivery to best protect the District's water distribution system shall be at the sole judgment of the District.

10.2.1 Health/High Hazards. All new potable water Points of Delivery capable of creating a health/high hazard per AWWA Manual M-14, or as determined by the District shall be installed with an above-ground, approved (meets AWWA standard C511) reduced pressure backflow prevention assembly (RPBA) prior to receiving service. Any change in use of an existing Point of Delivery which will create the possibility of a health/high hazard will require installation of an approved RPBA. All costs associated with the installation of a RPBA shall be the responsibility of the Customer. The Customer shall be responsible for annual testing and maintenance of the RPBA. A copy of the certified annual test results will be provided to the District.

- a. Hospitals, mortuaries, clinics, laboratories, petroleum storage facilities (gas stations), sewage facilities, commercial laundries, food and beverage processing facilities (butcher counters, restaurants, etc.) docks, dockside facilities, marinas, beauty shops, chemical facilities, or facilities where inspection is limited (to list a few examples from AWWA M-14) are classified as having potential health/high hazard risks and will be isolated from the District's distribution system by an approved RPBA.
- b. All Commercial accounts with a meter or a master meter 1 inch or larger in size shall be isolated from the District's distribution system by an approved RPBA.
- c. A residential parcel with a potential health/high hazard, such as dock side facilities, will be isolated from the District's distribution system by an approved RPBA

10.2.2 Non-Health/Low Hazards. All new, non-health/low hazard potable-water Points of Delivery shall be installed with a 5/8 inch below-ground District approved Double Check Meter Assembly (DCMA) or an above-ground, approved (meets AWWA Standard 510) Double Check Valve Assembly (DCVA) in combination with a residential meter 1 inch or larger before service is provided. Existing non-health/low hazard Points of Delivery without an existing backflow prevention device of any kind shall be provided with a DCVA or DCMA upon change of ownership before service will be provided to the new owner. Non-health/low hazard backflow prevention devices shall be tested by certified technician every 60 months.

- a. The District shall be responsible for installing, maintaining and testing all below-ground, 5/8 inch Double Check Meter Assemblies at non-health/low hazard Points of Delivery (which may include service for a private swimming pool and/or a District supplied potable water or reuse water irrigation system without chemical additives) at a cost to the customer as provided herein. Meters assemblies will be replaced by the District, at District expense, approximately every 15 years.
- b. All existing DCVA's at non-health/low hazard Points of Delivery shall be maintained and tested at the sole cost of the customer until such time that the meter assembly is replaced by the District with a 5/8 inch Double Check Meter Assembly. A copy of the certified test result shall be provided to the District.
- c. Residential, non-health/low hazard Points of Delivery which required a 1 inch or larger meter or master meter shall be installed with an above-ground, approved DCVA. The DCVA shall be installed, maintained and tested at the sole cost of the customer. A copy of the certified test results shall be provided to the District.

10.2.3 Fire sprinkler systems without chemical corrosion or anti-freeze additives are classified as non-health/low hazards and will be isolated from the District's distribution system with an approved DCVA.

**TABLE 10 - Backflow Prevention Assembly Application**

	Non-Health/Low Hazard	Heath/High Hazard
Residential 5/8" meter	DCMA	RPBA
Residential 1" or > meter	DCVA	RPBA
Commercial 5/8" meter	DCMA	RPBA
Commercial 1" or > meter	RPBA	RPBA
Fire Sprinklers	DCVA	RPBA (w/chemicals)

DCMA – Double Check Meter Assembly below-ground provided by District (test 5 years)

DCVA - Double Check Valve Assembly above-ground provided by Customer (test 5 years)

RPBA - Reduced Pressure Backflow Assembly above-ground provided by Customer (test 1 year)