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ROCK CREEK WATER DISTRICT

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**TECHNICAL SERVICES
DRINKING WATER PROGRAM**

CROSS CONNECTION REGULATION

ADOPTED: SEPTEMBER 18, 2001 RESOLUTION # 2001-100

ROCK CREEK WATER DISTRICT
CROSS CONNECTION REGULATIONS

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CHAPTER I

Definitions:

- AIR GAP SEPARATION** Means the physical vertical separation between the free flowing discharge end of a potable water supply pipeline and the open or non-pressure receiving vessel.
- APPROVED BACKFLOW PREVENTION DEVICE** Means a device approved in writing by Rock Creek Water District. The District's cross-connection inspector or representative will determine the degree of hazard and determine which device is required. All devices that are installed must appear on the approved list provided by the Oregon Health Division.
- ATMOSPHERIC VACUUM BREAKER (AVB)** Means a device consisting of an air inlet valve, a check seat and an air inlet port(s).
- AUXILIARY SUPPLY** Means any water source or system other than Rock Creek Water supply, that may be available in or on the premises.(wells, springs, other water systems, ect).
- BACKFLOW** Means the flow in the direction opposite to the normal flow caused by backsiphonage, back pressure and thus introduces any foreign liquids, gases, or substance into the water system/lines.
- BACKFLOW PREVENTER** Means an airgap, AVB, PVBA, SVBA, DCVA or RPBA
- BACKFLOW PREVENTION ASSEMBLY** Means a backflow prevention device such as a pressure vacuum breaker, spill resistant pressure vacuum breaker, a double check valve or a reduced pressure principal device, and the attached shut off valves on the inlet and outlet ends of the device assembled as a complete unit.
- CHECK VALVE** Means a valve which allows flow in only one direction

CROSS CONNECTIONS Means any actual or potential physical connection, link, or channel between a potable water line(drinking water) and any pipe or vessel containing a non-potable (non drinking water),fluid or contaminate.

DISTRICT Means Rock Creek Water District

DOUBLE CHECK VALVE ASSEMBLY (DCVA) Means an assembly of two independently acting check valves with shut-off valves on each side of the check valves and test cocks for checking the water tightness of each check valve.

OHD Means Oregon Health Division -(drinking water section)

PREMISES Means any piece of land to which water is provided by Rock Creek Water District, including all structures, improvements, mobile homes and R.V.'s located on it.

PRESSURE VACUUM BREAKER ASSEMBLY (PVBA) Means an assembly consisting of an independently operating, internally loaded check valve and an independently operating loaded air inlet valve located on the discharge side of the check valve.

REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) Means a device for preventing backflow which has two check valves, a differential relief valve located between two check valves, two shut-off valves, one on the upstream side and the other on the downstream side of the check valves, and four test cocks for checking the water tightness of the check valves and the operation of the relief valve.

SERVICE CONNECTION Means the piping connection by means of which water is conveyed from a distribution main of Rock Creek Water District to a user's premises. This is accomplished through the District's meter.

SPILL RESISTANT PRESSURE BREAKER ASSEMBLY (SVBA) Is one type of Pressure Vacuum Breaker Assembly.

CHAPTER II

PURPOSE

The purpose of these regulations is to protect the integrity and water supply of Rock Creek Water District from any and all possible contamination, pollution and backsiphonage through the development and enforcement of this Cross-Connection program.

CHAPTER III

CROSS CONNECTIONS REGULATION

NO Cross Connections shall be allowed, installed, used or exist within the boundaries of Rock Creek Water District or on any premises that is connected to District water supply. Some examples are, but not limited to the following:

- A. Hooking an auxiliary (secondary) water supply, such as a well ,spring or other water source into your house, whether through your service lines or directly into your house, premises, etc., is considered a cross connection. When the secondary water supply mixes with the District's water supply you have a possible introduction of contaminates that can be harmful or maybe even fatal to other users.**

- B. A second form of cross connection is one where a hose is put inside a container (for live stock, to use with fertilizer or herbicide, etc.) and the pressure drops and causes a back siphoning of the contaminated material into the Districts drinking water supply.**

- C. With Backflow Prevention Device installed at each connection, the possibility of back-siphonage into the main line has been diminished. However, without individual outside faucet anti-siphon-age device, the customer can siphon materials from their hoses back into their house. THE DISTRICT DOES NOT PROVIDE THIS TYPE OF DEVICE - Customers can buy these from larger Hardware stores.**

Although the District realizes that no one person would deliberately cause a cross connection, the District and OHD cannot and will not allow the possibility of any such cross connection to exist. Penalties will be strictly enforced (see Chapter XI on Termination of Services).

CHAPTER IV

BACKFLOW PREVENTION DEVICE REQUIREMENTS

Approved backflow prevention devices shall be installed at the expense of the owner of said premises at the service connection, as determined by a certified cross-connection inspector or authorized by the District. The District rules on Cross Connection are subject to change due to the continuous changes in the Oregon Health Division (OHD) requirements. The following are the main requirements of both the District and OHD:

- A. All premises connected to the Districts Water supply WILL BE REQUIRED to have an approved backflow device installed before water services are allowed.**
- B. If the nature and extent of any activity of the premises, or the materials used in connection with any activity of the premises, or materials stored on the premises, could contaminate or pollute the drinking water supply then the District can require a more effective type of backflow device.**
- C. Any premises found to have any type of cross connection, will be required to correct the problem. While correcting the problem, all water service from the District will be terminated until it can be verified that the cross connection no longer exists.**

CHAPTER V

INSTALLATION REQUIREMENTS

To ensure proper operation and accessibility of all backflow prevention devices, the following requirements shall apply to the installation of the device.

- A. All devices will be installed by the District and or it's representative.**
- B. The type of backflow device will be determined by the District and Certified backflow Inspector.**
- C. All devices will be installed at the service connection, before any branch in the line. Alternate locations must be approved by the District and shall be readily accessible during regular working hours of 8:00 AM to 5:00 PM Monday through Friday.**
- D. The device must be protected from freezing and other severe weather conditions, including but not limited to submersion.**
- E. All backflow prevention devices shall be of a type and model approved by the Oregon Health Division and Rock Creek Water District.**

- F. The device must be readily accessible with adequate room for maintenance and testing.**
- G. The property owner will be billed annually by the District for the annual certified testing of the backflow device, which must be done by a Certified Backflow Inspector.**
- H. The property owner will also be responsible to pay the District for all maintenance that the Certified Backflow Inspector deems necessary in order to ensure a properly working backflow prevention device.**
- I. All backflow assemblies will be installed in a vault.**

CHAPTER VI

ACCESS TO PREMISES

Owner of Record and their renter, shall allow access by District 's personnel and or back flow inspector, onto the premises being served by the District , for the purpose of cross connection inspection, during reasonable time and with reasonable notice.

CHAPTER VII

TESTING AND REPAIR

All devises installed within the boundaries served by Rock Creek Water District shall be tested annually by a State Certified Backflow Inspector, unless more frequent testing is required by the Oregon Health Division (OHD). The District will pay to have such testing done and the owner of said premises will be billed for each required test, or the owner of record may hire their own Certified Backflow Inspector. If the owner of record chooses to hire their own Certified inspector, then the owner must provide Original paper work to the District by the fifteenth (15th) of _____ If the District has not received original certified papers from owners Certified backflow inspector of test results, the District will have their Certified Inspector perform the required test and bill the customer. All such devises found not functioning properly shall be promptly repaired or replaced at cost to the owner of the premises. If any such devise is not promptly repaired, replaced or paid for in full, the water service to said premises will be discontinued. All testing and repairs will be paid for initially- by the District, but are the financial obligation and responsibility of the owner of the premises. The District shall maintain current records of backflow assemblies installed, inspections completed, and backflow assembly test results. The District shall also prepare or have prepared and submit an annual written cross connection report to the Oregon Health Division using a format to be provided by the Cross connection Division.

CHAPTER VIII
BACKFLOW PREVENTION DEVICE TESTERS

All backflow prevention device testers shall be certified by the Oregon State Health Division. Any test or results from any test performed by a tester whose certification has expired or whose test gauges have not been annually calibrated by a certified calibrator will be invalid. **ALL CERTIFIED TESTERS** who test within the Rock Creek Water District are required to provide the District with copies of their annual certification certificate and annual calibration certification. The Water District may require 24 hours notice before any test is performed, so that a representative of the District may be able to accompany the tester to observe and monitor test procedures. Any certified tester who is found to be incompetent, or falsifies a test report will be terminated and reported to the Oregon Health Division. All test results will be required to be in the Rock Creek Water District's office within 10 days after testing.

CHAPTER IX
VARIANCES

Any variances from these requirements shall be provided in writing by the owner of said premises and must be approved in writing by the Rock Creek Water District prior to any changes.

CHAPTER X
COST OF COMPLIANCE

ALL COST ASSOCIATED WITH THE PURCHASE, INSTALLATION, TESTING, REPLACEMENT, MAINTENANCE, PARTS AND REPAIRS OF THE BACKFLOW DEVICE ARE THE FINANCIAL RESPONSIBILITY OF THE PREMISES OWNER. FAILURE OF SAID PREMISES OWNER TO REIMBURSE THE DISTRICT WITHIN 30 DAYS OF BILLING WILL RESULT IN TERMINATION OF WATER SERVICES UNTIL PAID.

CHAPTER XI
TERMINATION OF SERVICES

Failure on the part of any water user to discontinue the use of all cross connections, backflow devices, is sufficient cause for the immediate DISCONTINUANCE of public water service to said premises.(OAR chapter 333-061-070 section 1).

Failure of the water user or owner of the premises to follow these rules can cause a possible fatal hazard for other users. In such a proven case, the District is entitled to bring all necessary lawsuits and cost involved herein against said premises owner.

CHAPTER XII
EFFECTIVE DATE

These Regulations shall be effective under Rock Creek Water District's Resolution # 2001-10, Dated This 18th Day of SEPTEMBER, 2001.

CIRCUMSTANCES NOT COVERED IN THE ABOVE RULES WILL BE UNDER THE RULES COVERED BY THE OREGON STATE HEALTH DIVISION CROSS CONNECTION REQUIREMENTS 333-61-070 AND WILL BE JUST AS BINDING.



Terry Osborn - Chairman

Melvin Wheeler - Secretary