

DIABLO WATER DISTRICT

REGULATION NO. 6

BACKFLOW, CROSS-CONNECTIONS AND PRIVATE FIRE LINES

Section 1. General

In accordance with the requirements of the California Health and Safety Code Section 116407 and 116555.5, and the District's Cross-Connection Control Plan, no water service connection to any premises shall be installed or maintained by the District unless the public water supply is protected as required by said State Regulations and the requirements stated herein. This regulation supplements and supersedes all applicable ordinances, codes, and statutes and regulations of the Department of Health Services relating to water supply.

Section 2. Where Protection is Required

Backflow prevention devices shall be installed on the service connection to any premises having:

- access to any auxiliary water supply, such as a well;
- any substance handled under pressure in such fashion as to permit entry into the water system; or
- any commercial building with fire protection systems; or
- any material dangerous to health or toxic substance that might possibly be introduced into the water system.

Section 3. Type of Protection

a. Backflow Protection

- Each backflow prevention device shall be of a type approved by the District and shall

- be installed in a location and manner approved by the District.
- A service connection to premises having an auxiliary water supply or internal systems containing water of deteriorated quality shall be protected by double check backflow prevention assembly (DC) or reduced pressure principal backflow prevention assembly (RP).
 - A service connection to premises handling dangerous or toxic materials such as industrial plants, wharves, hospitals, mortuaries, etc. shall be protected by RP.
 - A service connection to any sewage treatment plant or sewage pumping station shall be protected by an air-gap separation.

b. Private Fire Lines

- Unmetered water will be provided for the sole purpose of fighting fires and from which no other connection or use will be permitted.
- A commercial service connection with fire protection systems and extension to a private sprinkler system and/or hydrant, shall be protected by Double Check Detector Assemblies (DCDA) / Reduced Pressure Detector Assemblies (RPDA). Said water service shall be provided at the discharge fitting of the DCDA/RPDA.
- The DCDA/RPDA and the connection to the District's main shall be installed by the District in accordance with the District's standard specifications provided that the District's estimate of the cost thereof is paid by the customer in advance and the actual cost is paid when it is determined.
- The DCDA/RPDA and the connection thereto shall be the property of the District and will be operated and maintained by the District. The portion of a private fire line from the

discharge of the DCDA/RPDA shall be paid for, installed, owned, operated and maintained by the customer.

- The District will provide unmetered water service to private fire lines and shall only be used for firefighting purposes.
 - i. If any water flows through the DCDA/RPDA for any purpose other than firefighting or testing such private fire lines in the presence of a representative of the District, the customer shall be billed for the water delivered by the District at the then current water usage rate described in Regulation Number 1.
 - ii. Customers shall provide at least two (2) working days' notice to the District of the date and time when a test is scheduled so that the District may have a representative present.
 - iii. Any customer who takes water from a fire service for any purpose other than firefighting or testing such private fire lines or allows another to do so, for the purpose of avoiding water charges, shall be charged in accordance with Regulation Number 4.
- In the event a private fire line has a water leak, the District will notify the customer as soon as possible. The customer shall have 21 calendar days from the date the District notified them of the non-firefighting water flow to fix all leaks.
 - i. If the customer fixes all leaks during the 21-calendar day period, the customer will be eligible for a leak adjustment as described in Regulation Number 1.

- ii. If after the 21-calendar day period all leaks have not been fixed, the customer shall be charged a fine of \$100 per day in addition to estimated water loss while a leak continues. If the customer does not fix the leak in a timely manner, the District shall have the option to disconnect the private fire line to prevent water waste. In the event that the District disconnects the private fire line, the local fire department will be notified, and the customer will be subject to any fees charged by the fire department.

Section 4. Installation, Inspection and Maintenance

Any required backflow prevention devices shall be installed, inspected and maintained by the District or its authorized representative at the expense of the customer.

Section 5. Payment of Cost of Installation

- a. Prior to the installation of a backflow prevention device the customer shall pay to the District its estimate of the District's costs, including its usual overhead charges, for purchasing and installing the backflow prevention device.
- b. After the device is installed, if the District determines that its actual costs exceed the prepaid estimate, the customer shall pay such excess promptly on receipt of a bill therefor. If the actual costs are less than the prepaid estimate, the difference shall be credited to the customer.

Section 6. Monthly Backflow Charge

Each customer having a backflow prevention device (RP or DC) shall pay the District a monthly backflow charge therefor as follows:

Detector Device Type	Service Charge
3/4" DC / RP	\$7.61
1" DC / RP	\$7.61
1 ¼" DC / RP	\$10.56
1 ½" DC / RP	\$23.31
2" RP	\$24.42
3" DC	\$39.75
3" RP	\$54.77
4" DC	\$42.12
4" RP	\$62.87
6" DC	\$59.19
6" RP	\$77.14
8" DC	\$110.21
8" RP	\$114.06
10" DC	\$116.35
10" RP	\$140.10

Section 7. Private Fire Line Charge

Unmetered water service for private fire lines shall be provided at the following rates per month irrespective of the quantity, if any, of water used:

Size of Private Fire Line	Service Charge
4" DCDA	\$104.94
4" RPDA	\$130.66
6" DCDA	\$191.17
6" RPDA	\$217.11
8" DCDA	\$357.87
8" RPDA	\$373.77
10" DCDA	\$572.18
10" RPDA	\$590.00

Section 8. Non-Liability of District.

The District shall provide water service to private fire lines under such pressure and at such rates of flow as may be available from time to time as a result of the operation of the District's storage facilities and distribution system and the water treatment plant servicing the District. The District does not warrant or guarantee any pressure, range of pressures, or any rates or duration of flow. The District shall not be liable for any loss of damage in any manner arising out of the non-availability of water or water pressure at any private fire line.