

**SUBJECT:                   EXISTING SERVICES - cross connection  
                                  and pressure reduction requirements**

**POLICY NO.   6.19**

**APPROVED: August 22, 2000**

**ISSUED: AUGUST 2000**

**REGULATION:**

The State of Washington requires that water systems the size of Summit Water, develop a water system plan, per WAC 248-54-065. Part of our plan to meet this requirement is the identification of the service requirements, based on the potable water needs and the protection of the water distribution system. This plan was developed in 1999.

The plan addresses backflow by utilizing "premise isolation" as the primary method of the cross-connection prevention program.

**CROSS-CONNECTION CONTROL**

Cross-connection is any actual or potential physical connection between a public water system or consumer's water system and any source of non-potable liquid, solid or gas that could contaminate the potable water supply by backflow. The revised WAC 246-290-490 requires that we are responsible for protecting the public water system from contamination via cross-connections.

Therefore;

**Non-Residential Services**

All existing services shall have, at the time it requires modification by either the member or Summit Water & Supply Company (Company);

1. A "premise isolation" protection assembly installed. All services shall be evaluated for the level of protection isolation (DCVA or RPBA) which shall be installed by the member. The assembly shall be an approved backflow assembly which shall be located immediately after the meter and prior to any other connections to the meter. Such assembly shall be installed and maintained in accordance with the WAC's, local plumbing code and the policies of the Company. The installation, maintenance, and annual testing of the assembly is the responsibility of the member including all costs.
2. A pressure reduction valve (PRV) shall be installed as required by the WAC's, the local plumbing code (UPC) and the policies of the Company. The property owner shall install the PRV if the property served is located in the following areas of the water system which may exceed the pressures stated by the WAC's or UPC:
  - North of 96th Street East and east of Canyon Road or,

- North of an east-west extension of 64th Street East

The Company shall make every effort to notify the member or the members representative prior to service modification initiated by the Company.

### **Residential Services (Single Family)**

All existing services at the time the water use characteristic is changed to uses which have the potential to become a backflow source, such as irrigation systems, pools or spas, boilers, or,

If on inspection by the Company it is determined that existing water uses, through the service, may present the potential to become a backflow source;

The service shall have,

1. A "premise isolation" protection assembly installed. All services shall be evaluated for the level of protection isolation (DCVA or RPBA) which shall be installed by the member. The assembly shall be an approved backflow assembly which shall be located immediately after the meter and prior to any other connections to the meter. Such assembly shall be installed and maintained in accordance with the WAC's, local plumbing code and the policies of the Company. The installation, maintenance, and annual testing of the assembly is the responsibility of the member including all costs.

2. A pressure reduction valve (PRV) shall be installed as required by the WAC's, the local plumbing code (UPC) and the policies of the Company. The property owner shall install the PRV if the property served is located in the following areas of the water system which may exceed the pressures stated by the WAC's or UPC:

- North of 96th Street East and east of Canyon Road or,
- North of an east-west extension of 64th Street East

### **Compliance**

Failure to comply with these requirements may result in termination of water service until the installation(s) are completed.