

**PROPOSED REGULATION OF THE
STATE ENVIRONMENTAL COMMISSION**

LCB FILE NO. R111-18I

**The following document is the initial draft regulation proposed
by the agency submitted on 05/21/2018**

NAC 445A.67125 Cross-connections and backflow: Service connection to fire sprinkler system. (NRS 445A.860):

1. A supplier of water shall ensure that:

(a) An appropriate assembly for the prevention of backflow is installed at each service connection between the public water system and a fire sprinkler system; and

(b) The assembly is:

(1) Tested upon installation; and

(2) Maintained and tested, and the results of those tests logged, annually.

→ The testing required by this subsection must be conducted by a certified backflow prevention assembly tester.

2. An assembly for the prevention of backflow installed on a service connection between a public water system and a fire sprinkler system must:

(a) Be of such a type and installed in such a manner that the assembly:

(1) Protects the public water system; and

(2) *The installation of the assembly for the prevention of backflow does not cause physical damage to interfere with the capability of the fire sprinkler system, as engineered, to protect the safety of persons in the public or private facility in which the fire sprinkler system is located;* and

(b) Prevent any pollution or contamination of drinking water, by any nonpotable water contained in the fire sprinkler system, which may be caused by any backpressure or backsiphonage that may occur during normal or abnormal operation of the fire sprinkler system or the public water system.

3. The supplier of water shall determine the type of assembly required on a particular service connection between the public water system and a fire sprinkler system based upon the degree of risk posed by the fire sprinkler system to the supply of potable water, considering the chemical and biological contents of the fire sprinkler system, the materials used to construct the fire sprinkler system and the possibility that backflow will occur.

4. Any reduced pressure principle assembly or reduced pressure detector assembly used on a service connection between a public water system and a fire sprinkler system must not have any holes drilled in the check valve clappers.

5. The supplier of water is only responsible for ensuring the appropriate installation of a backflow prevention assembly is installed at the water service on a user's premise, as required to comply with provisions of NAC 445A.67185 through NAC445A.67255.