Cross-Connection Cross-Connection Control 21.1. Cross-connection control requirements and prohibitions. **Control Section 21** 21.1.1. No public water system shall install or maintain a water service connection to any premises where actual or potential cross-connections to a public water system exist unless such actual or potential cross-connections are eliminated or February 2021 controlled to the satisfaction of the owner of the public water system and the Division. 21.1.2. No public water system shall install or maintain any connection whereby water from an auxiliary water system may enter a public water system unless the auxiliary water supply and the method of connection. Authority to disconnect for non-21.1.3. In accordance with subsection 1.12.1.4.. public water systems shall maintain acceptable water pressure throughout compliance of correcting crossthe distribution system so that the risk of backflow is reduced. connection. 21.1.4. If a cross-connection exists or backflow occurs at a consumer's water system, the public water system may discontinue service to the consumer and water service shall not be restored until the deficiencies have been corrected. 21.2. Cross-connection control programs. 21.2.1. A public water system shall develop a plan for a comprehensive cross-connection control program for the CCC Program is required. Must elimination, prevention, and control of cross-connections appropriate to the number of service connections, size of include designated, trained and the distribution system, and type of customers. The cross-connection control program shall include an individual designated by the public water system and appropriately trained and experienced in cross-connection control experienced person, programs to be responsible for the program. recordkeeping, hazard 21.2.2. A cross-connection control program shall include an inventory and records of testing, repairs. And maintenance of assessment policy/procedures. all backflow prevention assemblies, and backflow elimination methods. 21.2.3. A cross-connection control program shall include appropriate policies to complete assessments of customer premises for potential cross-connections to establish hazard criteria to classify customer premises consistent with Table 1, and to determine the degree of hazard and adequacy of existing preventive measures. Table 1 **Backflow Prevention Assembly Types Required for Service Line Containment** Program shall include complete Premise -Degree of Hazard assessments of customer High Hazard Low Hazard premises for potential hazards Air Gap Air Gap and classify premises of High or Low Hazard Reduced Pressure Principle Backflow Reduced Pressure Principle Backflow **Prevention Assembly** Prevention Assembly **Double Check Valve Assembly** 21.2.4. An approved backflow prevention assembly or backflow elimination method shall be installed at premises where the ollowing conditions exist in a location intended to prevent backflow into the distribution system: Containment Required under 21.2.4.1. Premises having auxiliary water system: these conditions 21.2.4.2. Premises types that are deemed by the public water system or the Division to represent a health or high hazard to the public water system, to include but not be limited to: Agricultural facilities (e.g., farms, dairies) Beverage bottling plants Car washes Chemical plants Dry cleaners (on site processing) Film processing plants Food processing plants Laboratories Medical facilities Mortuaries Metal plating industries Mortuaries Petroleum processing/storage plants Piers, marinas, docks and waterfront facilities Radioactive material processing plants Wastewater treatment facilities 21.2.4.3. Premises where having internal cross-connections that, in the judgment of the public water system, are not Optional Public EDU for Low correctable or are impractical to determine if cross-connections exist due to intricate plumbing arrangements: Hazard Services - Specific Premises where because of security requirements or other prohibitions. it is impossible to complete a cross-**Education Components** connection control survey: or 21.2.4.5. Premises having a history of cross-connections being established or reestablished. 21.2.5. In lieu of assessments and installation of backflow prevention assemblies at customer premises deemed low hazard, a public water system may implement a public education program. 21.2.5.1. The public education program shall include, at minimum: 21.2.5.1.1.1. Causes and dangers of backflow and cross-connections. including health effects: 21.2.5.1.1.2. Information on how to identify actual and potential cross-connections; Preventive measures to reduce or eliminate cross-connection and backflow risks: and 21.2.5.1.1.3. 21.2.5.1.1.4. Information on reporting suspected cross-connections to the Detailed Recordkeeping and 21.3. Corrections and protective devices. 21.3.1. Backflow prevention assemblies shall conform to the standards of the American Society of Sanitary Engineering retention for no less than 10 (ASSE), the American Water Works Association (AWWA), and the American Society of Mechanical Engineers vears 21.4. Cross-connection control records and reporting. 21.4.1. All backflow prevention assembly test records which document the test results of assemblies designed to protect the public water system shall be retained on file for a period of no less than 10 years. 21.4.2. All cross-connection control survey records which document results from the monitoring of cross-connections shall be retained on file for a period of no less than 10 years. 21.5. Violations. 21.5.1. The following items shalt be deemed to be violations of these regulations: Non-Compliance and Penalty of 21.5.1.1. Failure to develop and implement a comprehensive cross-connection control program in accordance with Section 3.0 of this regulation within three years of the effective date of these regulations; not implementing CCC Program 21.5.1.2. Failure to implement the cross-connection control program as prescribed; and 21.5.1.3. Failure to maintain all backflow prevention assembly test records on file for at least 10 years. Penalty Clause.

§122(3)(c).

Any person who neglects or faits to comply with these regulations shall be subject to penalty as provided in 16 Del.C.