
CROSS CONNECTION CONTROL DECISION TREE

Use this document to help you identify when a backflow assembly is needed

Please note that the following facilities are considered either severe or high health hazard, and need cross-connection protection requiring premise isolation by AG or RPBA as required by [Table 9 WAC 246-290](#)

- Agricultural (farms and dairies)
- Beverage bottling plants
- Car washes
- Chemical plants
- Commercial laundries and dry cleaners
- Premises where both reclaimed water and potable water are provided
- Film processing facilities
- Food processing plants
- Hospitals, medical centers, nursing homes, veterinary, medical, and dental clinics, and blood plasma centers
- Premises with separate irrigation systems using the purveyor's water supply and with chemical addition
- Laboratories
- Metal plating industries
- Mortuaries
- Petroleum processing or storage plants
- Piers and docks
- Radioactive material processing plants or nuclear reactors
- Access denied or restricted entry facilities
- Wastewater lift stations and pumping stations
- Wastewater treatment plants'
- Premises with an unapproved auxiliary water supply interconnected with the potable water supply

(iii) If the purveyor's Cross Control Specialist determines that no hazard exists for a connection serving premises of the type listed in Table 9, the purveyor may grant an exception to the premises isolation requirements of this subsection.

(iv) The purveyor shall document, on a case-by-case basis, the reasons for granting an exception under this subsection, and include the documentation in the cross-connection control program annual summary report

(c) Backflow protection for single-family residences.

(i) For single-family residential service connections, the purveyor shall comply with the premises isolation requirements of (b) of this subsection when applicable.

(ii) If the requirements of (b) of this subsection do not apply and the requirements specified in subsection (2)(g)(ii) of this section are met, the purveyor may rely on backflow protection provided at the point of hazard in accordance with WAC 51-56-0600 of the UPC for hazards such as, but not limited to:

Decision Tree

For questions about this survey please contact the City's Cross-Connection Control Specialist (CCS) at 425-670-5221

Section 1: Development Designation			
Select the type of development being proposed	<input type="checkbox"/>	Commercial/Municipal	Continue to Section 2 Skip Section 3
	<input type="checkbox"/>	Residential	Continue to Section 3 Skip Section 2
Section 2: Commercial, Municipal, and Other Developments			
Is the proposed development a new development or tenant improvement?	<input type="checkbox"/>	New Development	Continue to Section 2 Skip Section 3
	<input type="checkbox"/>	Tenant Improvement	Continue to Section 2.2 Skip Section 2.1
Section 2.1: New Development: Domestic Meter			
Reduced pressure backflow assembly is required at the meter for all domestic meters unless waived by Public Works Director			
Is the proposed development a combination commercial and residential?	<input type="checkbox"/>	Yes	A bypass to water meter and bypass backflow assembly required
	<input type="checkbox"/>	No	No additional assemblies required unless otherwise specified
Is the proposed irrigation system connected to a domestic water service line?	<input type="checkbox"/>	Yes	A backflow assembly is required to isolate irrigation system(s)
	<input type="checkbox"/>	No	No additional assemblies required unless otherwise specified
		N/A	No additional assemblies required unless otherwise specified
Does the irrigation system have chemicals added?	<input type="checkbox"/>	Yes	Reduced pressure backflow assembly required at connection to water service line
	<input type="checkbox"/>	No	Double check backflow assembly required at connection to water service line
	<input type="checkbox"/>	N/A	No additional assemblies required unless otherwise specified
Fire Sprinkler System: does the fire sprinkler system have chemicals added?	<input type="checkbox"/>	Yes	Reduced pressure backflow assembly required at fire riser inside building
	<input type="checkbox"/>	No	Double check valve assembly required at fire riser inside building
	<input type="checkbox"/>	N/A	No additional assemblies required unless otherwise specified
Irrigation Meter: does the irrigation	<input type="checkbox"/>	Yes	Reduced Pressure Backflow Assembly required at meter

system have chemicals added?	<input type="checkbox"/>	No	Double Check Valve Assembly required at meter
	<input type="checkbox"/>	N/A	No additional assemblies required unless otherwise specified
Section 2.2: Tenant Improvement			
Domestic Meter			
Does the development contain any Table 9 premises listed in Washington Administrative Code 246-290-490?	<input type="checkbox"/>	Yes	Continue to next question
	<input type="checkbox"/>	No	Skip next question and continue with the following question
Is there a reduced pressure backflow assembly installed at the water meter or as the water service enters the premises for premises isolation?	<input type="checkbox"/>	Yes	Skip next question and continue with the following question
	<input type="checkbox"/>	No	A reduced pressure backflow assembly is required to be installed at the water meter. Continue to next section
Is there a double check valve assembly installed at the water meter or as the water service enters the premises for premises isolation?	<input type="checkbox"/>	Yes	Please consult the list in Table 5 of the City of Lynnwood's for additional in-premises backflow assemblies
	<input type="checkbox"/>	No	A double check valve assembly is required to be installed at the water meter
Fire Sprinkler System			
Does the development have a backflow prevention assembly for the fire sprinkler system?	<input type="checkbox"/>	Yes	Continue to next question
	<input type="checkbox"/>	No	A double check valve assembly is required to be install on the fire sprinkler system if the improvements meet the scope of the Level I improvements as defined in LMC 21.12.400
	<input type="checkbox"/>	N/A	No additional assemblies required unless otherwise specified
Does the fire sprinkler system have chemicals added?	<input type="checkbox"/>	Yes	Reduced Pressure Backflow Assembly required at fire riser inside building
	<input type="checkbox"/>	No	Double Check Valve Assembly required at fire riser inside building
Irrigation Meter			
Does the irrigation system have chemicals added?	<input type="checkbox"/>	Yes	Reduced Pressure Backflow Assembly required at meter
	<input type="checkbox"/>	No	Double Check Valve Assembly required at meter
	<input type="checkbox"/>	N/A	No additional assemblies required unless otherwise specified

Section 3: Non-Commercial Single Family Residential and Non- Commercial Multi-Family Residential

Domestic Meter

Are any fixtures listed as low or high hazard level fixtures (see Table 3 of the Cross Connection Control Operating Policy)?	<input type="checkbox"/>	Yes	Low Hazard Level Fixtures: double check valve assembly required at meter High Hazard Level Fixtures: reduced pressure backflow assembly required at meter
	<input type="checkbox"/>	No	No additional assemblies required unless otherwise specified
Is the irrigation system connected to a domestic water service line, and not a separate irrigation water line?	<input type="checkbox"/>	Yes	Continue to next question
	<input type="checkbox"/>	No	No additional assemblies required unless otherwise specified
Does the irrigation system have chemicals added?	<input type="checkbox"/>	Yes	Reduced pressure backflow assembly required at connection to water service line
	<input type="checkbox"/>	No	Double check valve assembly required at connection to water service line.

Fire Sprinkler System

Is the fire sprinkler system a residential “Flow-through” system that does not require fire department pumper connections?	<input type="checkbox"/>	Yes	No additional assemblies required unless otherwise specified
	<input type="checkbox"/>	No	Continue to next question
	<input type="checkbox"/>	N/A	Continue to next question
Does the fire sprinkler system have chemicals added?	<input type="checkbox"/>	Yes	Reduced pressure backflow assembly required.
	<input type="checkbox"/>	No	Double check valve assembly required
	<input type="checkbox"/>	N/A	Continue to next question

Irrigation Meter

Does the irrigation system have chemicals added into the line?	<input type="checkbox"/>	Yes	Reduced Pressure Backflow Assembly required at meter
	<input type="checkbox"/>	No	A Double Check Valve Assembly required at meter
	<input type="checkbox"/>	N/A	Continue to next question

Sewer / Grinder / Sump Pump

Does the property have a sewer / grinder / sump pump for sewer or stormwater?	<input type="checkbox"/>	Yes	Reduced Pressure Backflow Assembly required at meter
	<input type="checkbox"/>	No	No backflow assembly required unless otherwise specified