

Backflow Prevention Guide

Customer Responsibilities for Backflow Prevention

Capital Regional District | Integrated Water Services

What is Backflow Prevention & Why is it Important?

Backflow prevention is used to protect potable water supplies from contamination or pollution due to water backflowing into the potable water source. All bulk water customers are required to address backflow prevention by means of an Air Gap or testable assembly device certified to the appropriate hazard level. In the Capital Regional District, all water hauling equipment is classed as a **Severe Hazard** due to the unknown uses and the condition of the vessel that will be filled. The above requirements apply to any vehicle or tank set up that will be transporting water from a bulk water filling station, **prior** to using the bulk water filling stations. Below is a sample picture of a backflow prevention configuration known as an Air Gap. Please note, backflow configurations may vary depending on individual needs and vehicles used.



CRD Responsibilities for Monitoring the Cross Connection Program

The Cross Connection Control Program monitors all commercial and residential customers' water connections that either haul water or use water hauling equipment when accessing CRD bulk water filling stations and ensures that all equipment used meets regulatory requirements.

The CRD ensures that water hauling vehicles or trailers having access to the bulk water filling stations meet Cross Connection Control requirements as outlined in [CSA B64.10 Standards](#) and CRD [Bylaw 3516](#). These documents outline the need for a registered Air Gap or an approved Reduced Pressure Backflow Assembly (RPBA) to be installed on the water hauling vessel.

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Important Notes

- Connections at CRD bulk water filling stations are not cam-lock connections but are threaded 2½" fire hose connections
- Customers are required to supply their own hose and connectors
- If an Air Gap does not work for your water hauling configuration, you will be required to install a certified, testable assembly such as a Reduced Pressure Backflow Assembly (RPBA) or a Pressure Vacuum Breaker (PVB)
- Both RPBA and PVB assemblies require initial testing and annual testing thereafter

Customer Responsibilities for Applying to Become a Bulk Water Customer

After completing the Bulk Water Service Agreement form and receiving approval from the CRD, customers are responsible for preparing their vehicle(s) with appropriate backflow prevention equipment that will be inspected by a CRD Cross Connections Control Officer. Customers are also required to maintain their vehicle to a roadworthy standard and secure their water hauling vessel to meet any provincial or federal requirements that may apply to a hauling vehicle and its cargo.

The Cross Connection program requires the below information from each customer in order to register each customer in our system and grant access to the bulk water filling stations. Please ensure that you provide the Cross Connect program with the below information via email at ccc@crd.bc.ca or by mail at

Cross Connection Program
Capital Regional District
625 Fisgard Street
Victoria, BC V8W 1R7

Business Applicants

- Full legal business name (note, this may be a different name than the name your company operates under)
- Physical address of business
- Mailing address of business (only if different from physical address)
- Primary contact person (name, email, phone number)
- Number of water hauling vehicles
- License plate number or vehicle identification number (VIN) for every water hauling vehicle

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Photos of:

- Each water hauling vehicle
- Each water hauling vehicle's license plate or VIN
- Each water hauling vehicle's water connection
- Each water hauling vehicle's backflow device or air gap device preventing water from accessing the public water source

Residential Applicants

- Full legal name
- Physical address
- Mailing address (only if different than physical address)
- Email address
- Phone number(s)
- Number of water hauling vehicles
- License plate number or vehicle identification number (VIN) for every water hauling vehicle

Photos of:

- Each water hauling vehicle
- Each water hauling vehicle's license plate or VIN
- Each water hauling vehicle's water connection
- Each water hauling vehicle's backflow device or air gap device preventing water from accessing the public water source

IMPORTANT NOTE: Once registered in our system, customers will be required to update the Cross Connection program of the status of their water hauling vehicle(s) annually.

Contact Information

If you have any questions or concerns about back flow prevention devices, please contact:

Bob Shuck

Cross Connection Control Supervisor

Office: 250.474.9667

Email: bshuck@crd.bc.ca