

**The following list is for informational purposes only.**

**Backflow Testing Services**

|                                  |              |
|----------------------------------|--------------|
| Scotty's Backflow                | 208-818-7838 |
| Elkhorn Lawn and Landscaping     | 208-819-2061 |
| NG2 Testing Service, LLC.        | 208-818-0954 |
| DC Sprinkler Service             | 208-818-5022 |
| KDH Solutions                    | 509-342-8723 |
| Herres Backflow                  | 509-919-4970 |
| 4 - Results                      | 208-255-0662 |
| Aqua Pro Sprinkler, LLC.         | 509-990-8766 |
| Sprinklers Northwest             | 208-818-8388 |
| Sunrise CPR & Water              | 208-659-8746 |
| Hard To Scape                    | 208-755-4830 |
| Blake's Backflow Service         | 509-432-5887 |
| All Scapes Landscaping           | 208-772-6300 |
| Inland Sprinklers & Landscaping  | 208-512-0326 |
| Wolf Lodge Backflow Testing      | 208-215-6579 |
| Cooper's Backflow Testing        | 208-818-0819 |
| Bighorn Sprinkler Services       | 208-929-9437 |
| Three Trees Landscaping          | 208-457-9902 |
| Elements Landscaping             | 208-687-5361 |
| R&J Landscaping                  | 208-762-9367 |
| Fred's Plumbing                  | 208-772-2846 |
| Backflow Assembly Testers        | 208-819-3149 |
| Dawson Plumbing                  | 208-610-2752 |
| Accurate Sprinkler & Backflow    | 208-755-2887 |
| Cap Smart Water Irrigation       | 208-620-1935 |
| Cd'A Sprinklers & Backflow, LLC. | 208-967-5060 |
| Enders Backflow & Sprinklers     | 208-215-9955 |
| 1st Choice Maintenance           | 208-661-5610 |
| Done Rite Sprinklers             | 208-704-8104 |
| Gold Seal Mechanical, Inc.       | 509-535-5946 |
| Prestige Landscape Maintenance   | 208-699-9231 |
| Delk Management                  | 509-863-2922 |
| KWK Landscape Unlimited          | 509-979-3353 |
| North Idaho Water Masters        | 208-610-7755 |
| Northwest Mow and Go             | 208-981-1407 |

|                                 |              |
|---------------------------------|--------------|
| McKinstry Co.                   | 509-795-1015 |
| The Landscape Company           | 509-216-8754 |
| Glen Poelstra                   | 208-610-6317 |
| North Idaho Sprinklers          | 208-773-2796 |
| Jeff Mallett                    | 208-704-3701 |
| Kootenai Backflow               | 208-818-2505 |
| Bill's Heating                  | 208-777-5528 |
| Marc's Sprinklers & Landscaping | 208-819-3360 |

**THE FOLLOWING COMPANIES ALSO OFFER FIRE PROTECTION SYSTEM TESTING**

|                                |              |
|--------------------------------|--------------|
| A&D Fire Sprinklers            | 509-290-5447 |
| McKinstry Company, LLC.        | 509-475-1582 |
| Cosco Fire Protection          | 509-505-6005 |
| RLH Fire Protection            | 208-609-6317 |
| Fire Control Sprinklers        | 509-489-1444 |
| Western States Fire Protection | 509-922-8890 |
| Johnson Controls, Inc.         | 509-534-6055 |
| Advanced Fire Systems, Inc.    | 509-489-5040 |
| Inland Empire Fire Protection  | 509-534-1097 |



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***Non-Residential Buildings  
&  
Backflow Assemblies***

## Cross Connection and Non-Residential Buildings

Everyday, millions of Americans visit non-residential buildings – retail stores, offices, restaurants, warehouses, and medical buildings. When we do, we all want to be sure that the water we drink is safe. Water comes into contact with hundreds of dangerous chemicals and substances everyday. As a business owner and a building owner, you want to be sure that your customers receive good water. To guarantee good water, federal, state, and local governments have enacted laws and regulations to ensure that our water is of the highest quality. One method used to ensure the safety of our water supply is through the implementation of a Cross Connection Control program. The City of Coeur d’Alene has developed such a program to safeguard the city’s water distribution system. In a water distribution system, there are points called cross-connections, which are actual or potential physical connections between our public water supply and a source of contamination or pollution that could enter the public drinking water system. Cross connections can be created when using some appliances or plumbing fixtures.

A simple accident or oversight can lead to serious consequences. The change of water pressure can result in dangerous materials being drawn back into the water supply, thus allowing material to travel through the system to other water users who may be consuming the water and, therefore, be exposed to dangerous contaminants or pollutants. A cross-connection can pose a serious threat to your building’s water supply and the public’s water supply. During incidents of backflow these chemical and biological contaminants have caused serious illness and even death.

## Backflow can occur due to either backsiphonage or backpressure. These may sound like the same thing, but they’re not.

**Backsiphonage**: caused by negative pressure in the piping system, which may be due to:

- A water line repair or break that is lower than a water service point.
- A lower water main pressure due to a high water usage rate such as in fire fighting or water main flushing.
- Reduced water supply pressure on the suction side of a water booster pump.

**Backpressure**: when the water supply piping is connected to a piping system or plumbing fixture which exceeds the operating pressure of the water supply piping, for example, with:

- Booster pumps.
- Water supply line connections to a boiler or other heating systems where thermal expansion is possible.
- Connecting to a water system that operates at a higher pressure.

## **How can you protect your non-residential building?**

The first step in the process is to conduct a survey of the building to identify potential cross connections and understand how contaminated water can flow back from appliances and plumbing fixtures as a result of the lack of a backflow assembly to isolate them. The following are types of connections that can potentially create a backflow event; lawn irrigation systems, air conditioning cooling towers, a water supply line to a boiler, x-ray developers, soda carbonators, janitor sinks and many more things.

## You may ask, “Are both ‘containment’ and ‘isolation’ assemblies necessary in a building?”

The answer is “yes.”

**Isolation Backflow Assemblies** are installed at the point-of-use to protect the potable water inside of the building from potential contaminants and pollutants. The isolation backflow assembly will protect the water supply within the building.

**Containment Backflow Assemblies** will protect the city’s water supply.

With all of the varied activities that can take place in a commercial building, cross connection awareness is absolutely essential to prevent backflow problems. A properly maintained building will have a backflow assembly installed on both the domestic water service line (protecting the city’s water) and a proper backflow assembly installed at each internal cross connection (protecting water inside the building).

The information in this brochure is to help provide information to building owners and tenants about protecting our drinking water. Physically examining all areas of a building with complete awareness of the risks can prevent a costly and dangerous backflow incident. The safety of tenants and customers must be a priority of a building or a business owner.

**A backflow assembly is a mechanical device that requires annual testing and periodic maintenance. Neglecting annual testing is neglecting public safety For more information regarding the City of Coeur d’Alene Cross Connection Control Program or for a survey of your building please contact us.**

**Gary Nolan: 208-769-2298**