

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

**Backflow Testing Services**

Scottys Backflow	208-818-7838
Mitchells Backflow Testing	208-446-5216
North Idaho Landscaping	541-263-1155
American Backflow	208-967-6526
Panhandle Backflow	208-819-1645
Sundown Lawn & Irrigation	208-967-3579
Sunrise CPR & Water	208-659-8746
Elements Landscaping	208-687-5361
DC Sprinkler Service	208-818-5022
Faucets N Stuff Plumbing	509-924-8881
All Scapes Landscaping	208-772-6300
CAP Smart Water	208-620-1935
Epic Backflow	208-391-2975
Cutthroat Backflow	208-691-9909
S&J Grading	208-755-9770
Prospector Backflow	907-978-9454
Roots Landscape	208-755-4830
Hard To Scape	208-755-4830
Speedy Landscaping	208-699-5256
Sprinklers Northwest	208-818-8838
Roto Rooter Plumbing	509-484-6937
Inland Sprinklers	208-512-0326
D&R Services	208-292-9242
North Idaho Sprinklers	208-773-2796
Accurate Sprinklers	208-755-2887
Coopers Backflow Testing	208-818-0819
Enders Backflow	208-659-7904
Herres Backflow	509-919-4970
4-Results Inc	208-255-0662
Backflow Testers	208-819-3149
R&J Landscaping	208-762-9367
Darnall Sprinklers	208-777-7688
Michael Swan	208-964-5450
Freds Plumbing	208-772-2846
Three Trees Landscaping	208-457-9902

Northwest Mow & Go	208-981-1407
M&H Backflow	208-889-1020
Flow Guard	208-691-9687
Apollo Mechanical	509-532-2190
CdA Sprinklers and Backflow	208-967-5060
KWK	509-979-3353
Aqua Pro Sprinklers	509-990-8766
Rising Star Sprinklers	208-570-4685
NG2 Testing	208-818-0954
Done Rite Sprinklers	208-704-8104
Dawson's Plumbing	208-610-2752
Ellis Landscape NW	971-408-4934
Aspen Lawn Care	208-691-8624
Above All Sprinklers	208-651-2377
Parkwood Business Properties	208-667-4086
Rockwell Lawn Care	208-946-9925
Mountain Water & Electric	208-610-6317

**AFTER MARCH 1, 2008 ONLY TEST REPORTS FROM LICENSED IDAHO TESTERS WILL BE ACCEPTED BY THIS OFFICE**



**City of Coeur d' Alene  
Water Department  
3145 N. Howard St.  
Coeur d' Alene, ID 83815  
Office 208-769-2210  
Fax 208-769-2336  
Email- bfatests@cdaid.org**



*Protecting Our  
Drinking Water*

*Landscape Irrigation Systems  
&  
Backflow Assemblies*

## Landscape Irrigation Systems Need Backflow Prevention

Landscape irrigation systems make watering lawns and gardens easier, save you time, and can be designed to be water efficient. However, water contaminated by weed killers, fertilizers, and animal waste can backflow into your drinking water. To protect your drinking water from potential contamination, it is important to have an approved backflow protection assembly on your irrigation system. Landscape irrigation systems do require special equipment to prevent contaminated water from siphoning back into your home's plumbing arrangement and city's public water system. A landscape irrigation system not protected by an approved backflow prevention assembly endangers the health of a household, neighborhood, and community.

All landscape irrigation systems – new or existing – must be equipped with an approved backflow prevention assembly. Only an approved backflow prevention assembly properly installed will meet the city plumbing code and provide proper protection for the health of your family and neighbors. All landscape irrigation systems served by the public water system require a plumbing permit prior to installing a backflow assembly.

## All backflow prevention assemblies must be tested annually at spring start up for proper operation and protection.

The City of Coeur d'Alene Water Department is responsible for providing safe drinking water to all its customers. To ensure drinking water quality, the Water Department monitors backflow prevention assemblies on known health hazards to meet Idaho Rule IDAPA 58.01.08. The Water Department strives to make it easy for its customers to keep their drinking water safe and to meet state requirements by allowing options for backflow prevention assemblies/devices on landscape irrigation systems:

### • Types of Backflow Assemblies

- o Double Check Valve
- o Pressure Vacuum Breaker
- o Reduced Pressure Principle

### • Types of Backflow Devices

- o Atmospheric Vacuum Breaker

## How does backflow happen?

Backflow is water flow in reverse direction from the normal direction of flow in a piping system. This occurs due to different pressures existing between two different points within a piping system; water of a higher pressure flowing to water of lower pressure.

## Backflow may occur due to either backsiphonage or backpressure.

**Backsiphonage** – is caused by negative pressure in the piping system.

- 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** – occurs when the water supply piping is connected to a piping system or plumbing fixture which exceeds the operating pressure of the water supply piping.
- 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.

**For more information about backflow prevention assemblies please contact us.  
Gary Nolan: 208-769-2298**