

## Possible Causes of Higher-than-Average Water Usage

### Non-leak related

- The number of persons in the home have increased, such as visiting family members.
- Seasonal Water Consumption
  - Watering the lawn or flowers without use of an irrigation meter
  - Water plays activities
  - Outdoor water faucets left running
  - Filling up a swimming pool
  - Dripping faucets during a freeze

### Possible Leak-Related & How to Check for Leaks

#### Checking for Plumbing Leak

One of the best ways to tell if you have a leak in your home plumbing is to check the water meter. To do this, you will first have to turn off all water fixtures in your home. Shut off all faucets, and make sure the dishwasher and washing machine are not running. Next, watch the meter and see if it begins to change. If it does, you likely have a fast-moving leak. If the meter doesn't change immediately, wait two hours, and check it again. If it has changed despite all the water being off, you may be dealing with a slower leak.

#### Checking Meters

**Remember that all piping after the meter is the homeowner's responsibility. Magee's Creek Water Association is responsible for repairing any leaks between the main line and the meter. Magee's Creek Association is licensed by the state to work only on the public water system. Homeowner's or plumbers work on the homeowner's side of the meter, which is considered private.**

If you determine that you do have a leak, locate your homes main shut off valve and shut off the water at the valve.

Again, check the leak indicator on the meter for movement or use the meter reading method, making sure not to use any water during this period. If the leak indicator stops moving or there is no change in the meter readings, then you have a leak inside of the house. If the leak indicator continues to move or there is a change in the meter readings, then the leak is between the meter and the main shut off valve.

By detecting a leak in its early stages, you could save a substantial amount of money. Water leaks (either a large leak or a combination of smaller leaks) can often be detected through the methods described above.

## Toilet leaks

Toilets are one of the most common sources of leaks in the home, and usually go unnoticed because the leaks are often silent and out of view. Several research studies have found that 20%-35% of all residential toilets leak to some degree. To begin looking for leaks, remove the tank lid and inspect the flush mechanisms. The water level in the tank should be no higher than 1 inch below the top of the overflow tube. If the water level is to the very top of the overflow tube, water is slowly leaking into the overflow tube and down the drain.

To test for a toilet leak, add a few drops of food coloring to your toilet tank and wait 20 minutes. If the color shows up in your bowl, then you have a leak allowing water to flow from the tank to your drain without ever flushing the bowl. Large toilet leaks can be detected when the valve constantly emits a hissing or gurgling sound when the toilet is not in use.

Common causes of toilet leaks include:

- The flapper valve or valve seat has deteriorated
- The flushing arm or lift chain is not working properly
- The tank water level is too high and spills into the overflow
- The float rod, ballcock, or float ball may be worn or corroded.

Leaks in toilets always get larger and more costly over time. The sooner repairs are made the more quickly you can start saving water and money.

**Note: Sometimes by turning the meter OFF and then turning the meter back ON will correct the leak if the flapper is leaking because it will reset the flapper. If this happens it would be wise to go ahead and replace the flapper.**

## Slab Leaks

Common signs of a slab leak:

- A moist, damp, or wet spot on the floor
- A warm spot on the ground if the leak is in a hot water pipe
- Sounds of water dripping or trickling in an unexpected place
- Water coming through the foundation
- Sudden settling of the foundation

## Lawn Leaks

These leaks are often difficult to detect because the supply pipe is usually buried at least 3 feet below the ground surface. A common exit point for the leaking water might be where the supply line rises above the ground and/or enters the house.

Everyone wants a lush lawn, but if an area in your yard is much greener (and grows faster) than the rest of the grass, it would indicate the spot where a buried water line is leaking. If the leak is large enough, you might even see some puddles on the surface of the ground.

Check your outside spigots by attaching a garden hose; if water seeps through the connection while the hose is running, replace the rubber hose gasket and check to see all connections are tight.

### Other Leaks

If the water meter test indicates a leak inside your home, check the cabinets under the kitchen, laundry, and bathroom sinks to make sure they are dry. You will also want to look for puddles around the bases of tubs, toilets, and showers and beneath the water heater, dishwasher, and clothes washer.