



## WHEN WILL A WATER METER SETTING NEED TO BE UPDATED?

The Sheboygan Water Utility has the responsibility for ensuring that water meters are installed properly. A proper meter setting helps ensure accuracy, protects against contamination, and provides safety for Utility staff (and others) who must work with the water meter.

The following conditions indicate a problem. Utility staff members are available to help evaluate these conditions by calling 459-3814 or 459-3800.

- **A pit meter:** Any size meter setting of residential, commercial or industrial that is located in a depression where the top of the depression is above the threads on the meter could result in contaminated water entering the meter. This also includes dirt floors where the meter rests in a depression.
- **Tight settings:** This condition is more difficult to identify. If both ends of the meter setting are in the concrete of the floor and the meter sits no higher than 6" off the floor, there might be a problem. Meters to fit these settings have been sawed down in order to fit. Due to the modification, these meters cannot be reinstalled in another setting and would have to be scrapped. Meter Horns (yokes) are required, including single and multiple dwelling units, commercial, and industrial settings of  $\frac{3}{4}$ " and 1". Horns must **not** have built-in back flow prevention.
- **Hard plumbed:** in these settings, the couplings have been removed from the meter and replaced with thread adapters or unions.
- **Support:** All meter horns shall be full pipe clamped to the wall or floor within six inches (6") of the inlet and outlet of the horn. Support and associated hardware must be compatible material that will reduce the potential for galvanic action with the piping and cannot distort, cut or abrade piping and must be of sufficient strength to support the piping and its contents. Radiator clamps, pipe rests and lumber are not acceptable.
- **Bad valves:** A proper meter setting should have two valves (an in and out valve). When a valve leaks near the meter and the leak cannot be stopped by tightening, the valve needs replacement. If a setting has broken valve stems or is missing valves, the setting needs work. Utility staff will not use a pipe wrench on valves due to the potential of causing more damage.
- **Built-ins:** Settings built into walls, ceilings, basement fixtures, or cabinets cause access problems. A proper setting must have adequate space around it to maintain the meter and 12" of **unobstructed** space above the meter lenses. All meter settings shall maintain eighteen inches (18") of **unobstructed** space from the floor to center pipe on **each side** of the meter. The center pipe of the meter shall be no higher than forty-eight (48") from the floor. Thirty-six (36") of **unobstructed** space must be maintained in front of the meter setting.

BOARD OF WATER  
COMMISSIONERS  
72 PARK AVENUE  
SHEBOYGAN, WI  
53081

920/459-3800  
FAX 920/459-4325

