

Water News

Hello, this is a message from your local water provider, Indian Hill Water Works:

It was brought to our attention that not all homes in Terrace Park may have household water pressure regulators and/or expansion tanks on the hot water heaters within those homes. The water pressure for the bulk of Terrace Park is roughly 100psi and varies with elevation. The water works controls that working pressure with large pressure regulators, thus dropping the water pressure entering Terrace Park to about half of what it would be without those regulators in use.

It is important to note, that 100psi is still more pressure than household fixtures, such as faucets, water heaters, and toilets are designed to operate. This will require a household water pressure regulator to further drop the pressure entering the home to a more manageable 40 – 80psi, with the desired setting around 60psi. If not present, the installation of a pressure regulator will also require the installation of an expansion tank within a system with a hot water heater. A pressure regulator acts as a check valve as well (allows water to only flow one way, into the home), not allowing water back into the system maintained by the water works. As with most things, when they are heated, they generally expand. As a water pressure regulator acts as a check valve not allowing the water to flow backward and a portion of the water in the home is heated for use, it causes the pressure within the home to rise rapidly. This requires an expansion tank with in the system, to account for the additional volume consumed by the heated water.



Water Pressure Regulator

Typical water pressure regulator usually located where the water line enters the home. If the regulator hasn't been adjusted in several years and you desire to change the pressure setting entering the home, replacement of the regulator is recommended.



Expansion Tank

The expansion tank that is required with the installation of a pressure regulator is sized based on the size of your hot water heater. Typical houses with a regulator and no expansion tank in the system may notice the pipes within the house rattling and making noise with water use. This noise is due to the large pressure drop in a system where the hot water has raised the pressure in the system over a period of time with no relief, then water is used to relieve that pressure back to a manageable level. Once the water is no longer in use, the pressure will start to rise again when the water is heated without the use of an expansion tank in the system.

Local plumbers should be familiar with correct water pressure within the home and the necessary need for water pressure regulators and expansion tanks. However, should you have further questions, please call 513-831-3885.

Another important item to note:

Indian Hill Water Works (IHWW) is nearing completion of its customer water service line inspections in accordance with the Lead and Copper Rule of the Safe Drinking Water Act. So far, our team has assessed 85% of Terrace Park, and we need public cooperation to complete the remaining 15%.

IHWW team members will be in your area distributing flyers, knocking on doors, and making phone calls. We kindly ask for your assistance in accessing homes where water meters are located indoors.

To help, please follow the steps in our [self-assessment](#) survey or contact our office at (513)-561-6679 and schedule an inspection.

*The most common sources of lead in drinking water are lead service lines (service line: the water line from the street to your home). Establishing an inventory of service line materials and identifying the location of LSLs is a key step in getting them replaced and protecting public health.

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