Tuppers Plains-Chester Water District

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Visit us at: www.tpcwd.org

(This institution is an equal opportunity provider and employer.)

Dear Customer,

Starting January 1, 2007 several changes have been made concerning the safety of the water system. All customers will be required to install a backflow preventer and a thermal expansion tank as indicated on the drawing. We are required to inspect your plumbing before service can be turned on. Below are some of the rules and guidelines that will help you through this process.

After the water tap installation is complete, there will be two lids at the meter location. One will be the meter lid. This is the location of the meter and this vault should not be entered into by the customer.

After the meter, there will be a plastic lid which is considered yours. Inside the plastic lid will be where you connect to the line that will go to your home. A short section of water line (this pipe is called the pigtail) runs from the meter to this pit, & a one-inch ball valve has been installed for you to connect. A plastic plug has been installed on your end of the valve to keep the threads clean until you are ready to connect.

We recommend the use of a 1" polyethylene (PE) pipe, Iron Pipe Size (IPS), SIDR-7/250 PSI rating, and "compression type fittings" (Ford, Mueller, or McDonald fittings) with stainless steel inserts. We **do not** recommend the use of bands and clamps or fittings that use them. If you have a thin wall pipe, then you may leave yourself no choice on the type fittings you have to use.

When the service is installed, you will need to contact us by phone so we can schedule a turn on time. We can only schedule between the hours of 9:00 AM and 3:00 PM, Monday through Friday. At that time we will also need to inspect your connection and all of your plumbing for cross connections to our system. You will be required to have a backflow preventer (double check-valve) and a thermal expansion tank on your plumbing. Installation of a check valve does create thermal expansion. Enclosed is a brochure to explain the dangers and solution to thermal expansion. Our goal will be to get you turned on ASAP, but we do want it to be done safely.

An "air gap" must exist between our water system and your previous water supply as required by law. Several customers have asked if they can keep their existing water supply. We have no objection to that; however you cannot have a valve separating the two systems anywhere on your plumbing. This is a danger to you, our water system, and your neighbors, so we will be looking for this specifically. For those of you who will only have one water supply, this will not be a problem for you.

Pre-manufactured Homes
It has become known to us that many pre-manufactured home suppliers install pressure reducers on the supply lines not even knowing what the pressure is at the site; most do not install thermal expansion tanks on the plumbing systems. As stated before, we will not turn on water service without a thermal expansion tank and a double check valve.

Understanding Elevation and Pressure

The pressure at your meter is decided solely by the elevation of where you are going to use the water. Our water tanks are placed at high elevations to make sure you have adequate pressure. If your home is in a valley, then the pressure on the main will be high. If your home is on a hill top, then it could be normal or low. At this time, we have a policy that if the static pressure at the meter is 80 PSI and above we will install a regulator. We will install and maintain the regulator, but we will not guarantee it will always work. This means that if it fails in the future we would repair or replace it, but we will not be liable for any damages or leaks the high pressure may create.

As stated if the static pressure at your meter location is 80 PSI and above, we will install a regulator and the regulator comes set from the factory at 45 PSI. If your home is close to the same elevation as the meter, then the pressure will be close to the same at both points. If your home is at a higher elevation than your meter, then the pressure at your home will be less, if it is lower then you will have more. It is rare but a couple of places on our water system people have built homes higher than our water tanks, because of this, they had 90 PSI at the meter but zero water pressure at their home. If this happens to you, Ohio EPA does allow homeowners to install a pump system on the plumbing to raise your pressure to correct your problem, but rules are required to be followed and an inspection is required. We will require a letter from a certified plumber indicating a low pressure kick-off switch has been installed and working properly.

We hope this will help hooking up your new service a little easier.

Sincerely,

Derek A. Baum, General Manager
Tuppers Plains-Chester Water District
1-1-2007, 4-9-2018, 4-29-19