

# Where Do We Get Our Water?

The Town of Normal Water Department uses ground water provided by 12 wells supplied by the Banner (Mahomet-Sankoty Aquifer), Glasford, and Wedron Formations. An aquifer is a geological formation that contains water. Eight wells are located within the corporate limits of Normal and four wells are located south and west of Normal. This untreated groundwater is transmitted to our Water Treatment Plant through a network of underground pipes. At the Water Treatment Plant, the ground-water is softened, filtered, fluoridated, and disinfected. Most of the chemicals added are later removed as part of the treatment process but some, such as chlorine and fluoride are intended to remain in the water. The treated water is then pumped to storage tanks for use by our citizens.

**Groundwater bearing sand and gravel**



**Wellhouse & Pump**

**Water is aerated and begins treatment**



**Lime and Alum added to soften water**



**Mixing and Clarification**



**CO2 added to adjust pH level**  
**Phosphate added for corrosion control**  
**Fluoride added to prevent tooth decay**  
**Chlorine added to kill microorganisms**



**Ground Storage Tank**



**Pumped to elevated storage tanks**



**To homes for consumption**