## Where Do We Get Our Water?

The Town of Normal Water Department uses ground water provided by 15 wells supplied by the Banner (Mahomet-Sankoty Aquifer), Glasford, and Wedron Formations. An aquifer is a geological formation that contains water. Nine wells are located within the corporate limits of Normal and six 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 groundwater 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



Water is aerated and begins treatment



Lime and Alum added to soften water



Wellhouse & Pump

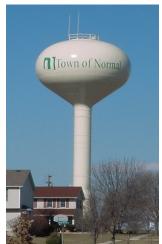


CO2 added to adjust pH
level
Phosphate added for
corrosion control
Fluoride added to prevent
tooth decay
Chlorine added to kill
microorganisms

**Mixing and Clarification** 



Ground Storage





To homes for consumption

Pumped to elevated storage tanks