

### ***City of Pataskala Utility Department Contacts:***

**Nathan W. Coey, Utilities Director**  
(740) 927-4134  
ncoey@ci.pataskala.oh.us

**Ryan E. Brown**  
**Water Utility Superintendent**  
(740) 919-4394  
rbrown@ci.pataskala.oh.us

[www.ci.pataskala.oh.us/utilities.aspx](http://www.ci.pataskala.oh.us/utilities.aspx)

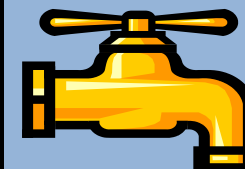
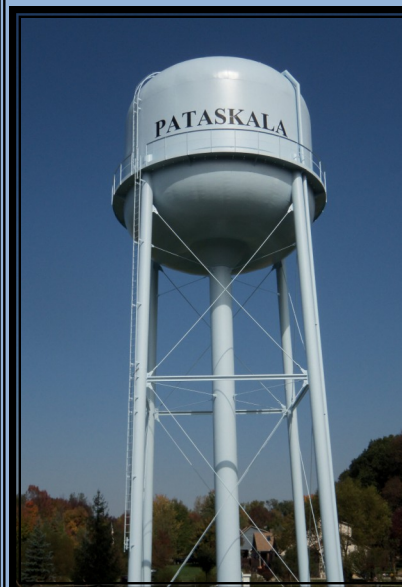
### ***Did you know...***

- *Only 3% of the water on earth is drinkable.*
- *Less than 1 gallon of gas can pollute 1 million gallons of water*
- *You can avoid contaminating your source of drinking water by properly disposing of chemicals that have the potential to cause ground water contamination.*
- *Improper disposal methods include: pouring chemicals on the ground, down a sink or toilet, or down a storm drain (many storm drains lead directly to rivers)*

### ***How to Learn More about Drinking Water Source Protection:***

**Ohio Environmental Protection Agency**  
Lazarus Government Center  
P.O. Box 1049  
Columbus, Ohio 43215-1049  
(614) 644-2752  
<http://epa.ohio.gov/ddagw/swap.aspx>

# **Protecting the City of Pataskala's Source of Drinking Water**

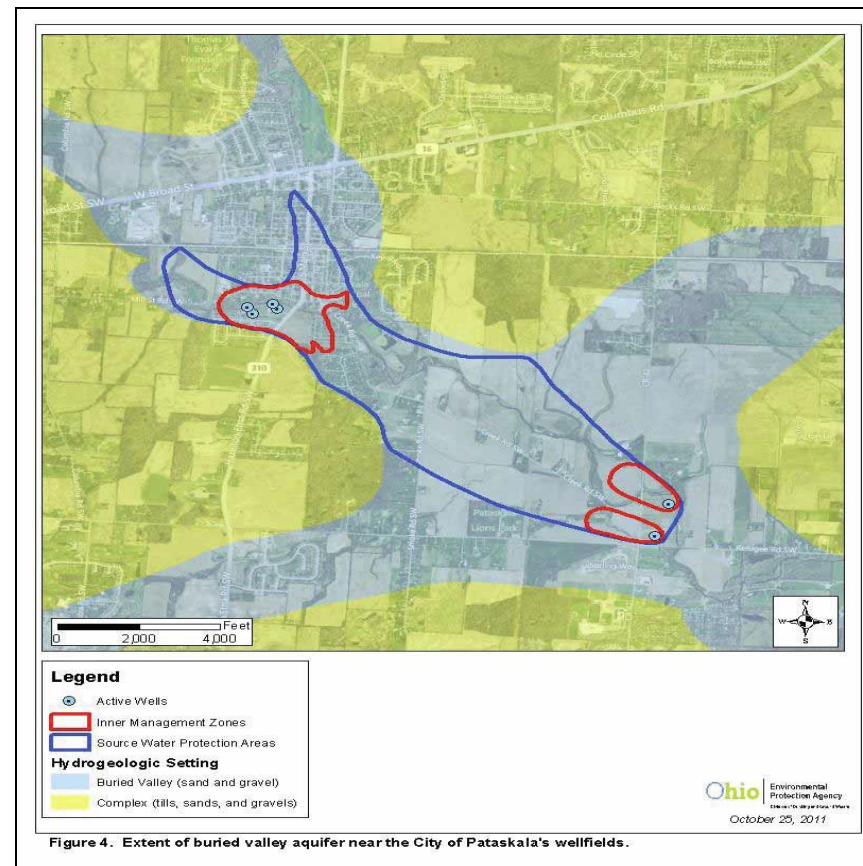


## Where does the City of Pataskala's drinking water come from?

The City of Pataskala's drinking water is pumped out of the ground by six wells from two separate well fields. Four Wells are located at Water Treatment Plant #1, south of the City on SR 310. Two Wells are located at Water Treatment Plant #2, at the corner of Watkins and Refugee Road. The ground water from both plants are pumped to the water treatment plant where it is filtered, softened, and chlorinated. From there, it is pumped through an underground network of pipes to homes and businesses throughout the City.

**Where does the ground water come from?** All ground water originally comes from rain or melted snow that has seeped into the ground. Water fills spaces between sand and gravel, as well as fractures in rocks. Where underground water is abundant enough to provide an adequate source of water, the water-rich sediments or rocks are called an aquifer. Pataskala's drinking water supply is pumped from the sand and gravel deposits of the South Fork Licking River Buried Valley Aquifer. Surface drainage into the aquifer trends from northwest to southeast, approximately 7 to 10 inches of precipitation yearly infiltrates through the soil to the aquifer. This means that if pollutants are spilled on the ground near the wells, or up the aquifer valley of the wells, they may eventually enter the ground water that is used to supply Pataskala residents with drinking water. Although the water plant provides treatment, it would be very expensive to purchase treatment systems for every type of possible pollutant. To be proactive in preventing potential pollutants The City of Pataskala has developed a **Source Water Protection Plan**.

**What is Drinking Water Source Protection?** The Ohio EPA conducted a Susceptibility Analysis and determined our aquifer has a High Susceptibility for contamination, which does not mean the aquifer will be contaminated but conditions exist which has the possibility for contamination. In order to prevent the likelihood of aquifer contamination the City of Pataskala created a *Source Water Protection Plan*. The *Source Water Protection Plan* is a written plan of action for protecting the water you drink from contamination at the source, along with emergency action plans in the event of contamination, or major water infrastructure failure.



To assist Pataskala with its *Source Water Protection Plan* efforts, Ohio EPA provided the City with a Revised Drinking Water Source Assessment report. This report included a map of the protection area (see above) based on calculations of how far water travels through the aquifer in five years. The report also includes information on land uses and facilities that may pose a contamination risk to the drinking water source. Potential risks are based on proximity to the drinking water source and the kinds/quantities of chemicals that are typically handled by these types of facilities.

The City of Pataskala has used the assessment to develop our *Source Water Protection Plan*. The effectiveness of this plan greatly depends on public involvement and education. If you would like to be involved with the *Pataskala Source Water Protection Plan Task Force* or if you would like to see a copy of the City's *Source Water Protection Plan*, please contact the City of Pataskala's Utility Director at 740-927-4134. A copy of the *Source Water Protection Plan* can be downloaded from the City's website at [www.ci.pataskala.oh.us/utilities.aspx](http://www.ci.pataskala.oh.us/utilities.aspx)