

Did You Know...

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- Only 3% of the water on earth is drinkable.
- Less than one gallon of gasoline can pollute one 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.
- The following chemicals are common ground water contaminants:
 - Cleaning Products
 - Automotive Products
 - Fuel Oil
 - Furniture Strippers
 - Lawn & Garden Products
 - Oil based paints
- Improper disposal methods include:
 - pouring chemicals on the ground,
 - pouring chemicals down a sink or toilet connected to a septic system,
 - pouring wastes down a storm drain because many storm drains lead directly into the ground or to a nearby stream

Contacts In Pemberville

**For questions concerning Pemberville's
Municipal Water Supply and Drinking
Water Source Protection Area, contact:**

Pemberville Village Office
Phone: (419) 287-3832

Contacts At The Ohio Environmental

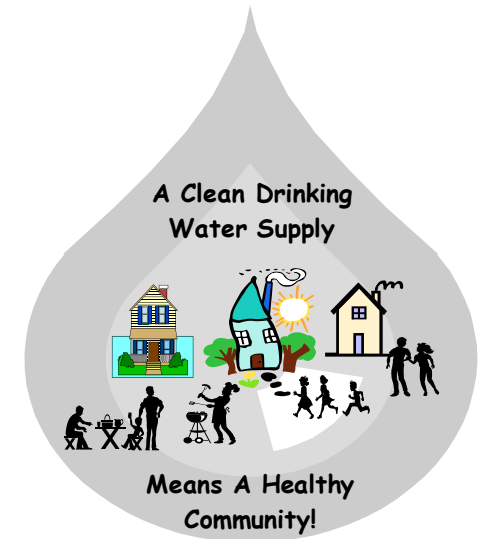
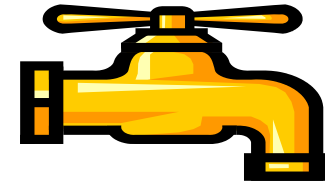
Protection Agency
Ohio Environmental Protection Agency
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43215-1049
www.epa.ohio.gov

For questions concerning Drinking Water
Protection, contact:

**The Division of Drinking and
Ground Waters**
Phone: (614) 644-2752

The Office of Pollution Prevention
Phone: (614) 644-3469

A Community Awareness Announcement for Pemberville, Ohio



Where does Pemberville's drinking water come from?

Pemberville's drinking water is pumped out of the ground by wells in three wellfields located on both the north and south side of town. This ground water is pumped to the water treatment plant where chlorine is added to kill harmful bacteria in it. From there, it is pumped through an underground network of pipes to Pemberville's homes and businesses.

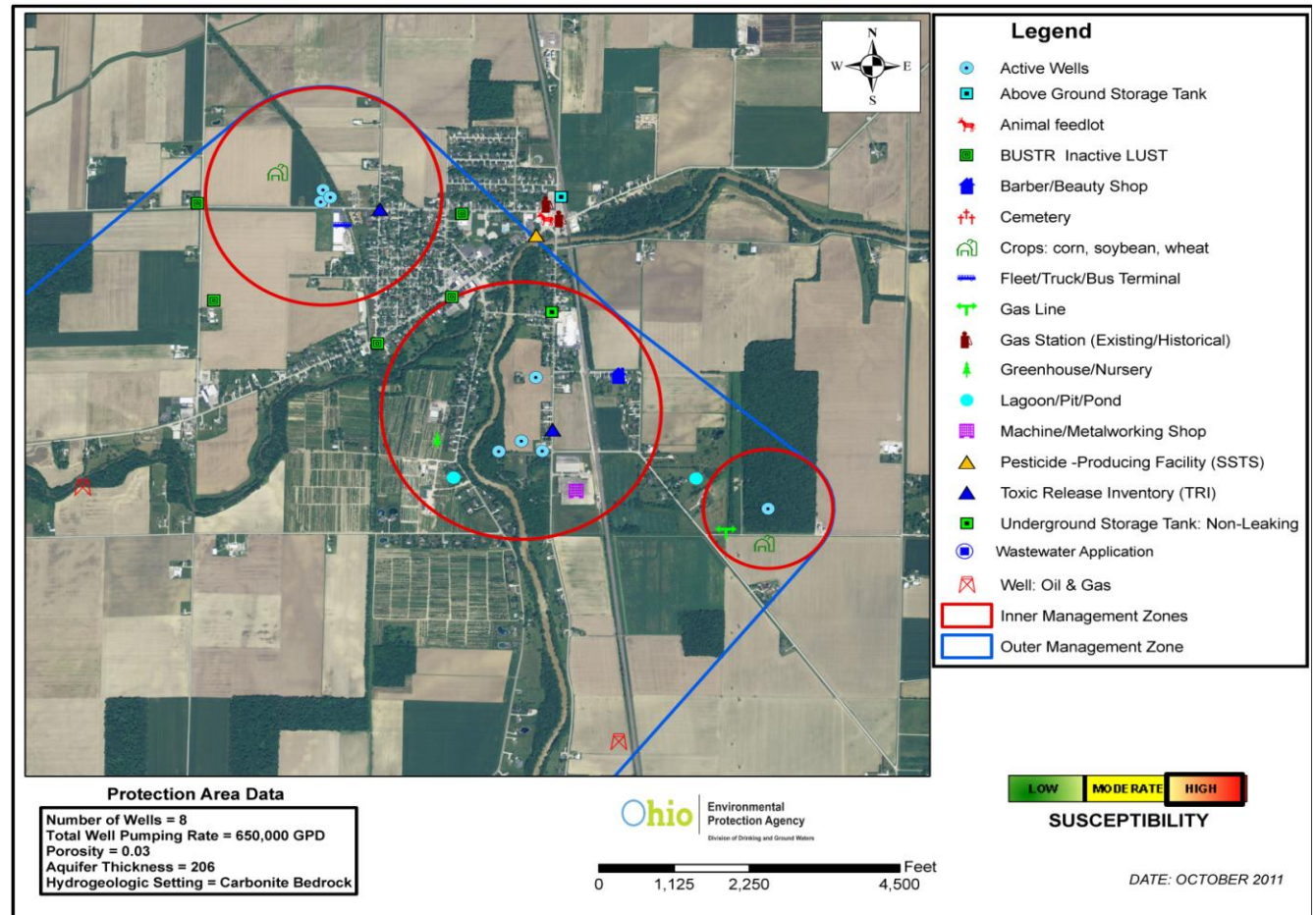
Where does the ground water come from?

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 drinking water, the water-rich sediments or rocks are called an aquifer. Pemberville's drinking water supply comes from a carbonate bedrock aquifer.

Ground water does not stay in one place. In northwest Ohio the regional ground water flow direction is primarily towards Lake Erie. This means that if pollutants are spilled on the ground anywhere near the wells, or south or west of the wells, they may eventually enter the ground water that you are drinking. And although the water treatment plant removes bacteria, it would be very expensive to purchase treatment systems for every type of possible pollutant. This is why everyone in the Village of Pemberville should know about **Drinking Water Source Protection**.

What is Drinking Water Source Protection?

Drinking Water Source Protection is a plan of action for protecting the water you drink from contamination at the source.



To assist the Village of Pemberville with our drinking water source protection efforts, Ohio EPA provided the village with a 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 Village of Pemberville has used the provided assessment to develop a drinking water source protection plan. If you would like to be more involved with the village's drinking water protection efforts or if you would like to see a copy of the city's drinking water source protection plan, please contact the Village of Pemberville's Water Department at (419) 287-3832. Most importantly, if you live or work within the Village of Pemberville's drinking water protection area please pay attention to the "Did You Know..." portion of this brochure.