

## Annual Drinking Water Quality Report for VARNA IL1230300 for the period of January 1 to December 31, 2025

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

**Este informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien.**

The source of drinking water used by VARNA is Ground Water

For more information regarding this report contact: Joe Glynn at 815-252-9626 or The Village of Varna at 309-463-2015

### Source of Drinking Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population.

Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers.

EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The drinking water supplier is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk.

Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standard Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water, you may wish to have your water tested, contact at Joe Glynn at 815-252-9626.

Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

| Source Water Name | Type of Water | Report Status | Location |
|-------------------|---------------|---------------|----------|
| WELL 3 (31320)    | GW            |               |          |

**Source Water Assessment**

We want our valued customers to be informed about their water quality. If you would like to learn more, please feel welcome to attend any of our regularly scheduled meetings. The source water assessment for our supply has been completed by the Illinois EPA. If you would like a copy of this information, please stop by Village Hall or call our water operator at 815-252-9626. To view a summary version of the completed Source Water Assessments, including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts, you may access the Illinois EPA website at <http://www.epa.state.il.us/cgi-bin/wp/swap-fact-sheets.pl>.

Source of Water: VARNA Based on information obtained in a Well Site Survey published in 1991 by the Illinois EPA, several potential sources are located within 1,000 feet of the wells. The Illinois EPA has determined that the Varna Community Water Supply's source water is not susceptible to contamination. This determination is based on a number of criteria including; monitoring conducted at the wells; monitoring conducted at the entry point to the distribution system; and available hydrogeologic data on the wells. Furthermore, in anticipation of the U.S. EPA's proposed Ground Water Rule, the Illinois EPA has determined that the Varna Community Water Supply is not vulnerable to viral contamination. This determination is based upon the evaluation of the following criteria during the Vulnerability Waiver Process: the community's wells are properly constructed with sound integrity and proper siting conditions; a hydraulic barrier exists which should prevent pathogen movement; all potential routes and sanitary defects have been mitigated such that the source water is adequately protected; monitoring data did not indicate a history of disease outbreak; and the sanitary survey of the water supply did not indicate a viral contamination threat. Because the community's wells are constructed in a confined aquifer, which should prevent the movement of pathogens into the wells, well hydraulics were not considered to be a significant factor in the susceptibility determination. Hence, well hydraulics were not evaluated for this system ground water supply.

**2025 Regulated Contaminants Detected**

**Lead and Copper**

Definitions:

Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

Copper Range: 10 ppb to 67.8 ppb

Lead Range: <5 ppb to <5 ppb

To obtain a copy of the system's lead tap sampling data: The lead sampling data is available on Illinois EPA's Drinking Water Watch <https://water.epa.state.il.us/dww/index.jsp>

To navigate the DWW website: search for your PWS, click on Chem/Rad Samples/Results by Analyte under Links on the left hand side, and click on either Lead or Copper, Free to review the results.

Our Community Water Supply has developed a service line material inventory.

To obtain a copy of the system's service line inventory: Joe Glynn at 815-252-9626

| Lead and Copper | Date Sampled | MCLG | Action Level (AL) | 90th Percentile | # Sites Over AL | Units | Violation | Likely Source of Contamination                                        |
|-----------------|--------------|------|-------------------|-----------------|-----------------|-------|-----------|-----------------------------------------------------------------------|
| Copper          | 2025         | 1.3  | 1.3               | 0.0476          | 0               | ppm   | N         | Corrosion of household plumbing systems; Erosion of natural deposits. |

Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure

Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

**Water Quality Test Results**

**Definitions:** The following tables contain scientific terms and measures, some of which may require explanation.

**Avg:** Regulatory compliance with some MCLs are based on running annual average of monthly samples.

**Level 1 Assessment:** A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

**Level 2 Assessment:** A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

**Maximum Contaminant Level or MCL:** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**Maximum Contaminant Level Goal or MCLG:** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Maximum residual disinfectant level or MRDL:** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum residual disinfectant level goal or MRDLG:** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

na: not applicable.

mrem: millirems per year (a measure of radiation absorbed by the body)

ppb: micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

ppm: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

**Treatment Technique or TT:** A required process intended to reduce the level of a contaminant in drinking water.

**Regulated Contaminants**

| Disinfectants and Disinfection By-Products | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG                  | MCL      | Units | Violation | Likely Source of Contamination                                                              |
|--------------------------------------------|-----------------|------------------------|--------------------------|-----------------------|----------|-------|-----------|---------------------------------------------------------------------------------------------|
| Chlorine                                   | 2025            | 1.6                    | 0.91 - 2.1               | MRDLG = 4             | MRDL = 4 | ppm   | N         | Water additive used to control microbes.                                                    |
| Haloacetic Acids (HAA5)                    | 08/03/2023      | 4.24                   | 4.24 - 4.24              | No goal for the total | 60       | ppb   | N         | By-product of drinking water disinfection.                                                  |
| Total Trihalomethanes (TTHM)               | 08/03/2023      | 8.7                    | 8.7 - 8.7                | No goal for the total | 80       | ppb   | N         | By-product of drinking water disinfection.                                                  |
| Inorganic Contaminants                     | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG                  | MCL      | Units | Violation | Likely Source of Contamination                                                              |
| Barium                                     | 08/08/2024      | 0.0234                 | 0.0234 - 0.0234          | 2                     | 2        | ppm   | N         | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits. |
| Fluoride                                   | 08/08/2024      | 0.121                  | 0.121 - 0.121            | 4                     | 4.0      | ppm   | N         | Erosion of natural deposits; Water                                                          |

|                                 |                        |                               |                                 |             |            |              |                  |                                                                                                                      |
|---------------------------------|------------------------|-------------------------------|---------------------------------|-------------|------------|--------------|------------------|----------------------------------------------------------------------------------------------------------------------|
|                                 |                        |                               |                                 |             |            |              |                  | additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.                              |
| Iron                            | 08/08/2024             | 0.437                         | 0.437 - 0.437                   |             | 1.0        | ppm          | N                | This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits. |
| Manganese                       | 08/08/2024             | 70.8                          | 70.8 - 70.8                     | 150         | 150        | ppb          | N                | This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits. |
| Sodium                          | 08/08/2024             | 11500                         | 11500 - 11500                   |             |            | ppb          | N                | Erosion from naturally occurring deposits. Used in water softener regeneration.                                      |
| <b>Radioactive Contaminants</b> | <b>Collection Date</b> | <b>Highest Level Detected</b> | <b>Range of Levels Detected</b> | <b>MCLG</b> | <b>MCL</b> | <b>Units</b> | <b>Violation</b> | <b>Likely Source of Contamination</b>                                                                                |
| Combined Radium 226/228         | 2025                   | 1                             | 0.603 - 0.603                   | 0           | 5          | pCi/L        | N                | Erosion of natural deposits.                                                                                         |

*Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.*

## Failure to Develop Initial Inventory or make publicly accessible for Service Line Materials or Make Publicly Accessible

### IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

#### IL1230300 - VARNA Failed to Make Public an Initial Service Line Inventory

Our water system recently violated a drinking water requirement. As our customers, you have a right to know what happened, what you should do, and what we did (are doing) to correct this situation.

We were required to develop and make publicly available an initial inventory of service lines connected to our distribution system by October 16, 2024. Our system failed to submit this initial inventory of service lines to the Illinois EPA by October 16, 2024. The inventory must identify the service line materials as lead galvanized requiring replacement (GRR)<sup>1</sup>, lead-status unknown/unknown, or non-lead. Identifying and ultimately removing lead and GRR service lines is an important way to protect public health.

There is the potential your service line could be made of lead or contain lead. People living in homes with service lines that are made of or contain lead have an increased risk of exposure to lead from their drinking water.

*\*Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems. \**

#### What should I do?

Listed below are some steps you can take to reduce your exposure to lead:

- **Learn what your service line material is.** Contact Village Hall at 309-238-2241 or a licensed plumber to determine if the pipe that connects your home to the water main (called a service line) is made from lead, galvanized, or other materials. Protect Your Tap: A quick check for lead is the EPA's online step by step guide to learn how to find lead pipes in your home ([www.epa.gov/pyt](http://www.epa.gov/pyt)).
- **Learn about construction in your neighborhood.** Unless your service line is not made of lead or galvanized you should be aware of any nearby construction or maintenance work that could disturb the line. Ground tremors from construction may suddenly cause more lead to be released from lead or galvanized service lines in the area.
- **Use your filter properly.** Using a filter can reduce lead in drinking water. If you use a filter, make sure you use a filter certified to remove lead. Read the directions to learn how to properly install and use your cartridge and when to replace it. Using the cartridge after it has expired can make it less effective at removing lead. Do not run hot water through the filter.

<sup>1</sup> A galvanized requiring replacement service line is a galvanized service line that is or was potentially downstream of a lead service line.

- **Clean your aerator.** Regularly remove and clean your faucet's screen (also known as an aerator). Sediment, debris, and lead particles can collect in your aerator. If lead particles are caught in the aerator, lead can get into your water.
- **Use cold water.** Use only cold water for drinking, cooking, and making baby formula. Remember, boiling water does not remove lead from water.
- **Run your water.** The more time water has been sitting in pipes, the more lead it may contain. Before drinking, flush your home's pipes by running the tap, taking a shower, doing laundry, or doing a load of dishes. The amount of time to run the water will depend on whether your home has a lead service line or not, and the length of the lead service line. Residents should contact their water utility for recommendations about flushing times in their community.
- **Have your water tested.** Contact your water utility to have your water tested and to learn more about the lead levels in your drinking water.

### **What does this mean?**

Service line inventories are the foundation from which water systems take action to address a significant source of lead in drinking water. Establishing an inventory of service line materials and identifying the location of lead and GRR service lines is a key step in getting them replaced and protecting public health. Typically, lead enters water supplies by leaching from lead pipes, brass faucets, plumbing with leaded solder, and other plumbing components containing lead. In homes with lead pipes that connect the home to the water main, also known as lead services lines, these pipes are typically the most significant source of lead in the water. Lead pipes are more likely to be found in older cities and homes built before 1986. Service lines made of galvanized iron or steel that are (or were previously) downstream of lead service lines are classified as galvanized requiring replacement (GRR) because galvanized service lines that are or ever were downstream from an LSL can absorb lead and contribute to lead in drinking water. Identifying and ultimately removing lead and GRR service lines is an important way to protect public health.

### **What is being done?**

**A Service Line Material Inventory has been submitted for Varna. This is made publicly available by accessing the 2025 Consumer Confidence Report at <http://testinc.com/varna.pdf>.**

For more information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's Web site at <http://www.epa.gov/lead> or contact your health care provider.

For more information, please contact Joe Glynn at 815-252-9626 or 2323 Fourth Street, Peru, IL 61354.

*\*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail. \**

This notice is being sent to you by VARNA. Public Water System ID#: IL1230300

Date distributed: with 2025 CCR.

## Failure to Submit Service Line Notice Certification Form

### IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Reporting Requirements Not Met for IL1230300 - VARNA

Our water system violated a drinking water standard over the past year. Even though this was not an emergency, as our customers, you have a right to know what happened and what we did to correct this situation.

The Village of Varna public water supply failed to submit the Service Line Notice Certification. The Service Line notice was required to be sent to all customers with a Lead, Galvanized Requiring Replacement, or Unknown service line. Failure to submit the Service Line Notice Certification Form by July 1<sup>st</sup> 2025 has resulted in a reporting violation.

#### What should I do?

There is nothing you need to do at this time.

#### What happened? What is being done?

We failed to notify residents who had lead, GRR, or unknown service lines and complete the certification by the required due date.

This is not an emergency. If it had been, you would have been notified immediately. The required notices were sent to residents and certification form was submitted in October of 2025.

For more information, please contact Joe Glynn at 815-252-9626 or 2323 4<sup>th</sup> St, Peru, IL 61354.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

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