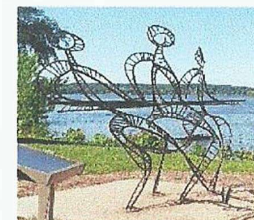


## Village of Port Byron Annual Water Quality Report



**PORT BYRON**

**IL1610550**

**Annual Water Quality Report 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 PORT BYRON water system to provide safe drinking water.**

**The source of drinking water used by PORT BYRON is Ground Water.**

**For more information regarding this report contact:**

**Name: Kevin Farrell, Certified Water Operator-ROINC**

**Phone: 309-523-3705**

**To be informed of the policy decisions affecting the operation of the water utility, please monitor the Port Byron Village Board Agenda. Agendas are posted at the Port Byron Village Hall at least 48 hours prior to each Village Board meeting. Meetings are conducted on the first Monday of each month at 6:00 p.m. at the Village Hall at 120 S Main St.**

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

### Source of Drinking Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and groundwater 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 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 Kevin Farrell at Village Hall, 309-523-3705. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

To obtain a copy of the system's lead tap sampling data: Call Village Hall at 309-787-8530.

Our Community Water Supply has developed a service line material inventory. To obtain a copy of the system's service line inventory: Call Village Hall at 309-787-8530.

## Village of Port Byron Annual Water Quality Report January 1 to December 31, 2025

Please find this year's Annual Water Quality Report confirming Port Byron's drinking water is safe and meets USEPA and Illinois drinking water quality standards except where noted below. Our system pumped & treated over 31,158,000 gallons (31.16 MG), Daily Average 85,364 GPD of water while vigilantly safeguarding our groundwater supply. We performed numerous chemical & bacteriological tests throughout the year to ensure the highest quality water is provided to you our residents.

NOTE: As you know, Port Byron has received Violation Notices for high Manganese at our Well 4 location. Tests showed we consistently ran slightly above the 150 ppb/L, part per billion, which is maximum limit established by the IEPA. We have been sending out quarterly Public Notices informing you of the health concerns with the Manganese levels. The Village continues to prepare for a new Water Filtration Project at Well 4. The Village have received Bids and await EPA approval of the Bid and project Loan funding.

### 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 City Hall or call our water operator at 309-523-3705. 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:** Port Byron, based on information obtained in a Well Site Survey published in 1991 by Illinois EPA, several potential sources are located within 1500' of the wells. The IEPA has determined that the Port Byron 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 points to the distribution system; and available hydrogeological data on the well. Furthermore, in anticipation of the U.S. EPA's proposed Ground Water Rule, the IEPA has determined that the Port Byron 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 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.

## Port Byron 2025 Regulated Contaminants Detected IL1610550

### Lead and Copper

#### Definitions:

Action Level (AL): 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. ALG's allow for a margin of safety.

Copper Range: 0.012 ug/L (ppb) to 0.880 ug/L (ppb)

Lead Range: <1.0 ug/L (ppb) to 18 ug/L (ppb)

To obtain a copy of the system's lead tap sampling data: Call Village Hall at 309-787-8530.

Our Community Water Supply has developed a service line material inventory. To obtain a copy of the system's service line inventory: Call Village Hall at 309-787-8530.

**Date Sampled: 2025**

| Lead MCLG | Lead Action Level (AL) | Lead 90th Percentile | # Sites Over Lead AL | Copper MCLG | Copper Action Level (AL) | Copper 90th Percentile | # Sites Over Copper AL | Violation | Likely Source of Contamination                                                                                                                                                                     |
|-----------|------------------------|----------------------|----------------------|-------------|--------------------------|------------------------|------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0         | 15 ppb                 | 12 ppb               | 0                    | 1.3 ppm     | 1.3 ppm                  | 0.51 ppm               | 0                      | No        | <b>Lead:</b> Corrosion of household plumbing systems; Erosion of natural deposits<br><b>Copper:</b> Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing |

## Water Quality Test Results

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

-Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health.

-Avg: -Regulatory compliance with some MCLs is 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

-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

MCLG's allow for a margin of safety.

-Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the Maximum Contaminant Level Goal as feasible using the best available treatment technology.

-Maximum Residual Disinfectant Level Goal (MRDLG): The level of disinfectant in drinking water below which there is no known or expected risk to health. MRDLG's allow for a margin of safety.

-Maximum Residual Disinfectant Level (MRDL): The highest level of disinfectant allowed in drinking water.

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

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

-ppb: - parts per billion or ug/l: micrograms per liter - or one ounce in 7,350,000 gallons of water.na: not applicable.

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

-na: -not applicable

## Coliform Bacteria

| Maximum Contaminant Level Goal | Total Coliform Maximum Contaminant Level | Highest No. of Positive | Fecal Coliform or E. Coli Maximum Contaminant Level | Total No. of Positive E. Coli or Fecal Samples | Violations | Likely Source of Contaminant         |
|--------------------------------|------------------------------------------|-------------------------|-----------------------------------------------------|------------------------------------------------|------------|--------------------------------------|
| 0                              | 1 positive monthly sample                | 4                       |                                                     | 0                                              | No         | Naturally present in the environment |

## Regulated Contaminants

| Disinfectants & Disinfection By-Products | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG                  | MCL    | Units | Violation | Likely Source Of Contaminant                                                                            |
|------------------------------------------|-----------------|------------------------|--------------------------|-----------------------|--------|-------|-----------|---------------------------------------------------------------------------------------------------------|
| Chlorine                                 | 2025            | 2.1                    | 1 - 3                    | MRDLG=4               | MRDL=4 | ppm   | No        | Water additive used to control microbes                                                                 |
| Haloacetic Acids (HAA5)                  | 2025            | 4                      | 3.64 - 3.64              | No Goal for the total | 60     | ppb   | No        | By-product of drinking water chlorination                                                               |
| Total Trihalomethanes (TTHM)             | 2025            | 6                      | 6.48 - 6.48              | No Goal for the total | 80     | ppb   | No        | By-product of drinking water chlorination                                                               |
| Inorganic Contaminants                   | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG                  | MCL    | Units | Violation | Likely Source Of Contaminant                                                                            |
| Arsenic                                  | 10/28/2024      | 2.5                    | 2.5 - 2.5                | 0                     | 10     | ppb   | No        | Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes. |
| Barium                                   | 10/28/2024      | 0.36                   | 0.36 - 0.36              | 2                     | 2      | ppm   | No        | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits              |
|                                          |                 |                        |                          |                       |        | ppb   | No        | Discharge from steel and pulp mills; Erosion of natural deposits                                        |
| Fluoride                                 | 10/28/2024      | 0.518                  | 0.518 - 0.518            | 4                     | 4.0    | ppm   | No        | Erosion of natural deposits; Water additive which promotes strong teeth; Fertilizer discharge           |
| Iron                                     | 10/208/2024     | 1.1                    | 1.1 - 1.1                |                       | 1.0    | ppm   | No        | Erosion from naturally occurring deposits                                                               |
| Manganese                                | 2025            | 240                    | 25 - 310                 | 150                   | 150    | ppb   | Yes       | Erosion from naturally occurring deposits                                                               |

|                       |      |      |          |    |    |     |    |                                                                                             |
|-----------------------|------|------|----------|----|----|-----|----|---------------------------------------------------------------------------------------------|
| Nitrate (As Nitrogen) | 2024 | 0.03 | 0 - 0.03 | 10 | 10 | ppm | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Selenium              | 2017 | 6.3  | 0 - 6.3  | 50 | 50 | ppb | No | Erosion of natural deposits                                                                 |
| Sodium                | 2024 | 25   | 25 - 25  |    |    | ppm | No | Erosion of naturally occurring deposits; used in water softener regeneration                |
|                       |      |      |          |    |    | ppm | No | Discharge from petroleum and metal refineries; Erosion of natural deposits                  |

| Radioactive Contaminants                 | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG | MCL | Units | Violation | Likely Source Of Contaminant |
|------------------------------------------|-----------------|------------------------|--------------------------|------|-----|-------|-----------|------------------------------|
| Combined Radium 226/228                  | 11/17/2020      | 1.40                   | 1.29 - 1.40              | 0    | 5   | pCi/L | No        | Erosion of natural deposits  |
| Gross Radium excluding radon and uranium | 2021            | 1.41                   | 1.16 - 1.41              | 0    | 15  | pCi/L | No        | Erosion of natural deposits  |
|                                          |                 |                        |                          |      |     |       |           |                              |

## Violation Summary Table

The following table(s) lists all violations that occurred during 2025. We included a brief summary of the actions we took following notification of the violation

## Consumer Confidence Rule

The Consumer Confidence Rule requires community water systems to prepare and provide to their customers annual Consumer Confidence reports on the quality of the water delivered to the systems.

| Violation Type                        | Violation Begins | Violation Ends | Violation Explanation                                                                                                                                                                                                        |
|---------------------------------------|------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CCR ADEQUACY / AVAILABILITY / CONTENT | 7/1/2024         | 2025           | We failed to provide to you, our drinking water customers an annual report that adequately informed you about the quality of our drinking water and the risks from exposure to contaminants detected in your drinking water. |
| CCR ADEQUACY / AVAILABILITY / CONTENT | 7/1/2025         | 2025           | We failed to provide to you, our drinking water customers an annual report that adequately informed you about the quality of our drinking water and the risks from exposure to contaminants detected in your drinking water. |

Actions we took: Included corrective actions in the CCR

## Lead and Copper Rule

The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water. Primarily by reducing water corrosivity. Lead and copper enter drinking water mainly from corrosion of lead and copper containing plumbing materials

| Violation Type                       | Violation Begin | Violation End | Violation Explanation                                                                                                                                                                                               |
|--------------------------------------|-----------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOTIFICATION, KNOWN OR POTENTIAL LSL | 7/02/2025       | 2025          | We failed to certify to the Illinois EPA that we delivered annual notifications and information to affected consumers with lead, galvanized requiring replacement, or lead status unknown service lines as required |

*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.*

Action we took: Insure that proper communications to the Lead Sample sites as well as the EPA Certification form are completed within the proper timeframe.

| Contaminant or Program         | Violation Type                                                                                                                                                                                                                                                                 | Violation Duration<br>Start Date – End Date | Violation Explanation                                                                                                                                                                |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MANGANESE                      | MCL                                                                                                                                                                                                                                                                            | Q1 01/01/2025 – 03/31/2025                  | Water samples showed that the amount of this contaminant I our drinking water was above its standard (called maximum contaminant level and abbreviated MCL) for the period indicated |
| Health Effects (if applicable) | Infants (babies under one year old) may develop learning and behavior problems if they drink water with high levels of manganese. Children and adults who drink water with high levels of manganese for a long time may have problems with memory, attention and motor skills. |                                             |                                                                                                                                                                                      |
| Actions we took:               | Quarterly Sampling to monitor for Manganese at the 3 Wells and 2 Water Treatment Plants. Issued Public Notice as required                                                                                                                                                      |                                             |                                                                                                                                                                                      |
| Contaminant or Program         | Violation Type                                                                                                                                                                                                                                                                 | Violation Duration<br>Start Date – End Date | Violation Explanation                                                                                                                                                                |
| MANGANESE                      | MCL                                                                                                                                                                                                                                                                            | Q3 07/01/2025 – 09/30/2025                  | Water samples showed that the amount of this contaminant I our drinking water was above its standard (called maximum contaminant level and abbreviated MCL) for the period indicated |
| Health Effects (if applicable) | Infants (babies under one year old) may develop learning and behavior problems if they drink water with high levels of manganese. Children and adults who drink water with high levels of manganese for a long time may have problems with memory, attention and motor skills. |                                             |                                                                                                                                                                                      |
| Actions we took:               | Quarterly Sampling to monitor for Manganese at the 3 Wells and 2 Water Treatment Plants. Issued Public Notice as required                                                                                                                                                      |                                             |                                                                                                                                                                                      |

## Manganese

Excessive manganese in the water may cause staining of plumbing fixtures and laundry. It may also produce an unpleasant taste in beverages, including coffee and tea.

| Violation Type                 | Violation Begin                                                                                                                                                                                                                                                                | Violation End | Violation Explanation                                                                                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MCL, Average                   | 04/01/2025                                                                                                                                                                                                                                                                     | 06/30/2025    | Water samples showed that the amount of this contaminant in our drinking water was above its standard (called maximum contaminant level and abbreviated MCL) for the period indicated. |
| Health Effects (if applicable) | Infants (babies under one year old) may develop learning and behavior problems if they drink water with high levels of manganese. Children and adults who drink water with high levels of manganese for a long time may have problems with memory, attention and motor skills. |               |                                                                                                                                                                                        |

Please Note: The Village has received Bids for the Manganese Filtration Project. Seeking funding approval and acceptance of Bid from the IEPA. The Village will continue to keep you informed.

## Statement of Corrective Actions

Moving forward we will include information concerning the Manganese violations and corrective actions that were taken to address the higher levels of Manganese.