

**FORSYTH PWS**  
Public Water System ID Number: MO5010285  
**2024 Annual Water Quality Report**  
*(Consumer Confidence Report)*  
**Contaminants Report**

FORSYTH PWS will provide a printed hard copy of the CCR upon request. To request a copy of this report to be mailed, please call us at 417-546-4763. The CCR can also be found on the internet at [www.dnr.mo.gov/ccr/MO5010285.pdf](http://www.dnr.mo.gov/ccr/MO5010285.pdf).

The state has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Records with a sample year more than one year old are still considered representative. No data older than 5 years need be included. If more than one sample is collected during the monitoring period, the Range of Sampled Results will show the lowest and highest tested results. The Highest Test Result, Highest LRAA, or Highest Value must be below the maximum contaminant level (MCL) or the contaminant has exceeded the level of health based standards and a violation is issued to the water system.

**Regulated Contaminants**

| Regulated Contaminants | Collection Date | Highest Test Result | Range of Sampled Results (low – high) | Unit | MCL | MCLG | Typical Source                                                                              |
|------------------------|-----------------|---------------------|---------------------------------------|------|-----|------|---------------------------------------------------------------------------------------------|
| BARIUM                 | 2/9/2022        | 0.0206              | 0.00902 - 0.0206                      | ppm  | 2   | 2    | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits  |
| NITRATE-NITRITE        | 2/6/2024        | 0.056               | 0 - 0.056                             | ppm  | 10  | 10   | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |

| Lead and Copper | Date        | 90th Percentile: 90% of your water utility levels were less than | Range of Sampled Results (low – high) | Unit | AL  | Sites Over AL | Typical Source                                                       |
|-----------------|-------------|------------------------------------------------------------------|---------------------------------------|------|-----|---------------|----------------------------------------------------------------------|
| COPPER, FREE    | 2021 - 2023 | 0.127                                                            | 0.00524 - 0.16                        | ppm  | 1.3 | 0             | Corrosion of household plumbing systems                              |
| LEAD            | 2021 - 2023 | 3.94                                                             | 0 - 14.8                              | ppb  | 15  | 0             | Corrosion of household plumbing systems; Erosion of Natural Deposits |

| Radionuclides                 | Collection Date | Highest Value | Range of Sampled Results | Unit  | MCL | MCLG | Typical Source              |
|-------------------------------|-----------------|---------------|--------------------------|-------|-----|------|-----------------------------|
| COMBINED RADIUM (-226 & -228) | 5/25/2021       | 1.1           | 1.1                      | pCi/l | 5   | 0    | Erosion of natural deposits |
| RADIUM-226                    | 5/25/2021       | 1.1           | 1.1                      | pCi/l | 5   | 0    | Erosion of natural deposits |

| Microbiological COLIFORM (TCR) | Result | In the month of August, 4 sample(s) returned as positive | Treatment | Technique Trigger | 0    | Naturally present in the environment |
|--------------------------------|--------|----------------------------------------------------------|-----------|-------------------|------|--------------------------------------|
|                                |        |                                                          | MCL       |                   | MCLG | Typical Source                       |

**Violations and Health Effects Information**

During the 2024 calendar year, we had the below noted violation(s) of drinking water regulations.

| Compliance Period      | Analyte            | Type                       |
|------------------------|--------------------|----------------------------|
| 12/30/2023 - 4/10/2024 | LEAD & COPPER RULE | LEAD CONSUMER NOTICE (LCR) |

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

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.

During the past year we were required to conduct one Level 1 assessment(s). one Level 1 assessment(s) was completed. In addition, we were required to take eight corrective action(s) and we completed five of these actions.

**Special Lead and Copper Notice:**

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. FORSYTH PWS is responsible for providing high quality drinking water and removing lead materials in the portion of the service line you own, 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 Standards Institute accredited certifier to reduce lead in drinking water. 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>.

March 24, 2025

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All contaminant sample results from past and present compliance monitoring are available online at the Missouri DNR Drinking Water Watch website at [www.dnr.mo.gov/DWW/](http://www.dnr.mo.gov/DWW/). To see the Lead and Copper results, enter your water system's name in the box titled Water System Name, then select Find Water Systems at the bottom of the page. On the next screen, click on the Water System Number. At the top of the next page, under the Help column, click on Other Chemical Results by Analyte. Scroll down to Lead and click the blue Analyte Code (1030). A Sample Collection Date range may need to be entered. The Lead and Copper locations will be displayed under the heading Sample Comments. Scroll to find your location and click on the Sample No. for results. If you assisted the water system in taking a Lead and Copper sample but cannot find your location on the list, please contact FORSYTH PWS for your results.

A service line inventory was required to be prepared and can be requested from FORSYTH PWS.

| Date Identified | Facility     | Category Code | Category Description                 |
|-----------------|--------------|---------------|--------------------------------------|
| 08/28/2024      | WATER SYSTEM | SDPL          | SandDef Power Loss                   |
| 08/28/2024      | WATER SYSTEM | SDDP          | SandDef Debris in tank overflow pipe |
| 08/28/2024      | WATER SYSTEM | SDWV          | SandDef Damaged/unscreened well vent |

**Optional Monitoring (not required by EPA)**  
**Optional Contaminants**

Monitoring is not required for optional contaminants.

| Secondary Contaminants      |  | Collection Date | Your Water System Highest Sampled Result | Range of Sampled Results (low - high) | Unit | SMCL |
|-----------------------------|--|-----------------|------------------------------------------|---------------------------------------|------|------|
| ALKALINITY, CaCO3 STABILITY |  | 2/9/2022        | 280                                      | 240 - 280                             | MG/L |      |
| CALCIUM                     |  | 2/9/2022        | 64.5                                     | 57.3 - 64.5                           | MG/L |      |
| HARDNESS, CARBONATE         |  | 2/9/2022        | 309                                      | 271 - 309                             | MG/L |      |
| IRON                        |  | 2/9/2022        | 0.363                                    | 0 - 0.363                             | MG/L | 0.3  |
| MAGNESIUM                   |  | 2/9/2022        | 36                                       | 31 - 36                               | MG/L |      |
| MANGANESE                   |  | 2/9/2022        | 0.00303                                  | 0 - 0.00303                           | MG/L | 0.05 |
| NICKEL                      |  | 2/9/2022        | 0.00318                                  | 0.00255 - 0.00318                     | MG/L | 0.1  |
| PH                          |  | 2/9/2022        | 7.43                                     | 7.34 - 7.43                           | PH   | 8.5  |
| POTASSIUM                   |  | 2/9/2022        | 2.05                                     | 1.06 - 2.05                           | MG/L |      |
| SODIUM                      |  | 2/9/2022        | 2.03                                     | 1.36 - 2.03                           | MG/L |      |
| SULFATE                     |  | 2/9/2022        | 21.8                                     | 5.43 - 21.8                           | MG/L | 250  |
| TDS                         |  | 2/9/2022        | 273                                      | 247 - 273                             | MG/L | 500  |
| ZINC                        |  | 2/9/2022        | 0.164                                    | 0.00416 - 0.164                       | MG/L | 5    |

Secondary standards are non-enforceable guidelines for contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor or color) in drinking water. EPA recommends these standards but does not require water systems to comply.