

# ANNUAL DRINKING WATER QUALITY REPORT

Scott County Rural Water Cooperative

IL1710020

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 water system to provide safe drinking water.

The source of drinking water used by Scott County Rural Water Commission is Purchased Ground Water.

For more information regarding this report contact:

Name: Jim Dobson

Phone: 1-217-320-1555

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 wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals. In some cases, the water may dissolve radioactive material. Water can also 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 system, agricultural livestock operations and wildlife;
- Inorganic contaminants, such as salts and metals, which may be naturally occurring or result from urban stormwater 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 stormwater runoff and residential uses;
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and may also come from gas stations, urban stormwater runoff and septic systems; and
- Radioactive contaminants, which may be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations that 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.

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 USEPA's Safe Drinking Water Hotline (1-800-426-4791).

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. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

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. Scott County Rural Water Co-op is responsible for providing high quality drinking water and removing lead lines 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, or doing a load of laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce the lead in drinking water. If you are concerned about lead in your drinking water, you may wish to have your water tested; contact our Operator at 217-320-1555. 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 Information

| Source Water Name                      | Type of Water | Report Status | Location          |
|----------------------------------------|---------------|---------------|-------------------|
| CC01-Master Meter (Winchester)         | Ground Water  | Active        | City Limits       |
| CC02-Master Meter (Winchester)         | Ground Water  | Active        | City Limits       |
| CC03-Master Meter (South Jacksonville) | Ground Water  | Active        | Phillips Ferry Rd |
| CC04-Master Meter (Aley-Glasgow)       | Ground Water  | Active        | Ball Park Rd      |

## 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 call our water operator at 217-320-1555. To view a summary version of the completed Source Water Assessments, including: Importance of Source Waters, 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>.

Scott County Rural Water Coop. purchase water from the Alsey-Glasgow Water Commission which, in turn, purchases its water from the Roodhouse Water System. To determine Roodhouse's susceptibility to groundwater contamination, information obtained during a Well Site Survey performed by the Illinois Rural Water Association on March 16, 1998, was reviewed. Based on this information, one potential site of concern was identified within proximity of this water supply's wells. The Illinois EPA considers the source water 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 the available hydrogeologic data on the wells.

Scott County Rural Water Cooperative purchases water from South Jacksonville. To determine South Jacksonville's susceptibility to groundwater contamination, a Well Site Survey, published in 1990, and IRWA's recharge area survey were reviewed. During the initial survey of South Jacksonville's source water protection area, Illinois EPA staff recorded potential sources, routes, or possible problem sites within the 400-foot minimum setback zones and the 1,000-foot maximum setback zones of the wells. One site was located in the minimum setback zones of both wells and no sites were located within the 1000-foot maximum setback zones of both wells. IRWA identified one additional site located within the recharge area. The Illinois EPA considers the source water of this facility to be highly susceptible to contamination. The 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 the available hydrogeologic data on the wells.

Scott County Rural Water purchases water from Winchester. To determine Winchester's susceptibility to contamination, the following document was reviewed: a Well Site Survey, published in 1995 by the Illinois EPA. Based on the information obtained in this document there is one potential source of groundwater contamination that could pose a hazard to groundwater utilized by Winchester's community water supply wells. This potential source is an inactive gravel pit. In addition, information provided by the Leaking Underground Storage Tank and Remedial Project Management Sections of the Illinois EPA indicated additional sites with on-going remediation which may be of concern. Based upon this information, the Illinois EPA has determined that the Winchester community water supply's source water is susceptible to contamination. As such, the Illinois EPA has provided 5-year recharge area calculations for the wells. The land use within the recharge area of the wells was analyzed as part of this susceptibility determination. This land use includes agricultural properties.

## 2025 Regulated Contaminants Detected

### Lead and Copper

Definitions:

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.

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

Copper Range: 55 UG/L to 718 UG/L

Lead Range: <5 UG/L to 18.3 UG/L

To obtain a copy of the system's lead tap sampling data visit: <https://tinyurl.com/4f8y82xa>

Our Community Water Supply **HAS** developed a service line material inventory; to view a copy stop by Alsey Village Hall at 126 Main, St. Alsey, IL - 62610

| Lead and Copper | Date Sampled | MCLG | Action Level (AL) | 90 <sup>th</sup> Percentile | # Sites Over AL | Units | Violation | Likely Source of Contamination                                        |
|-----------------|--------------|------|-------------------|-----------------------------|-----------------|-------|-----------|-----------------------------------------------------------------------|
| Copper          | 07/11/2023   | 1.3  | 1.3               | 0.149                       | 0               | ppm   | No        | Erosion of natural deposits; Corrosion of household plumbing systems. |
| Lead            | 07/11/2023   | 0    | 15                | 0                           | 1               | ppb   | No        | Erosion of natural deposits; Corrosion of household plumbing systems. |

*\*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.\**

## Water Quality Test Results

### Definitions:

- Maximum Contaminant Level Goal (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 Contaminant Level (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 Residual Disinfectant Level Goal (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.
- Maximum Residual Disinfectant Level (MRDL): The highest level of a drinking water disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- Level 1 Assessment: A level 1 assessment is the 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.

### Abbreviations:

- avg: regulatory compliance with some MCLs are based on running annual average of monthly samples.
- n/a: not applicable
- mrem: millirems per year (a measure of radiation absorbed by the body)
- TT: treatment technique; a required process intended to reduce the level of a contaminant in drinking water.
- ppb: parts per billion or micrograms per liter ( $\mu\text{g/L}$ )
- ppm: parts per million or milligrams per liter ( $\text{mg/L}$ )

Note: Some contaminants are sampled less frequently than once a year; as a result, not all contaminants were sampled during the CCR calendar year. If any of these contaminants were detected the last time they were sampled for, they are included in the table along with the date that the detection occurred.

## Regulated Contaminants

| Disinfectants and Disinfection Byproducts | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG      | MCL      | Units | Violation | Likely Source of Contamination            |
|-------------------------------------------|-----------------|------------------------|--------------------------|-----------|----------|-------|-----------|-------------------------------------------|
| Chlorine                                  | 2025            | 1.2                    | 0.8 – 1.2                | MRDLG = 4 | MRDL = 4 | ppm   | No        | Water additive used to control microbes.  |
| Haloacetic Acids (HAA5)                   | 2025            | 11                     | 10.9 – 10.9              | N/A       | 60       | ppb   | No        | By-product of drinking water disinfection |
| Total Trihalomethanes                     | 2025            | 26                     | 26.4 – 26.4              | N/A       | 80       | ppb   | No        | By-product of drinking water disinfection |

## Violations

| <b>Consumer Confidence Rule</b>                                                                                                                                                                 |                        |                      |                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 by the systems |                        |                      |                                                                                                                                                                                                                              |
| <b>Violation Type</b>                                                                                                                                                                           | <b>Violation Begin</b> | <b>Violation End</b> | <b>Violation Explanation</b>                                                                                                                                                                                                 |
| CCR Adequacy/Availability/Content                                                                                                                                                               | 07/01/2025             | 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 our drinking water. |

**Corrective Action:** Scott County Rural Water Co-op has issued corrected information and updated language with this current Consumer Confidence Report (CCR) and in the future will issue CCRs in a timely and accurate manner.

THE FOLLOWING WATER MONITORING DATA IS PROVIDED BY THE CITY OF  
ROODHOUSE, ILLINOIS, AS THE PARENT WATER SUPPLY FOR THE SCOTT COUNTY  
RURAL WATER COOPERATIVE

**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            | 1.5                    | 1.3 - 1.7                | MRDLG = 4             | MRDL = 4 | ppm   | N         | Water additive used to control microbes.                                                                                   |
| Haloacetic Acids (HAA5)                    | 2025            | 4                      | 4.2 - 4.2                | No goal for the total | 60       | ppb   | N         | By-product of drinking water disinfection.                                                                                 |
| Total Trihalomethanes (TTHM)               | 2025            | 19                     | 19 - 19                  | 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                                     | 10/15/2024      | 0.067                  | 0.067 - 0.067            | 2                     | 2        | ppm   | N         | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.                                |
| Fluoride                                   | 10/15/2024      | 0.57                   | 0.57 - 0.57              | 4                     | 4.0      | ppm   | N         | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories. |
| Nitrate [measured as Nitrogen]             | 2025            | 1                      | 1.16 - 1.16              | 10                    | 10       | ppm   | N         | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.                               |
| Sodium                                     | 10/15/2024      | 16800                  | 16800 - 16800            |                       |          | ppb   | N         | Erosion from naturally occurring deposits. Used in water softener regeneration.                                            |
| Radioactive Contaminants                   | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG                  | MCL      | Units | Violation | Likely Source of Contamination                                                                                             |
| Combined Radium 226/228                    | 2025            | 2                      | 2.32 - 2.32              | 0                     | 5        | pCi/L | N         | Erosion of natural deposits.                                                                                               |
| Gross alpha excluding radon and uranium    | 2025            | 4                      | 4.3 - 4.3                | 0                     | 15       | pCi/L | N         | Erosion of natural deposits.                                                                                               |

THE FOLLOWING WATER MONITORING DATA IS PROVIDED BY THE VILLAGE OF SOUTH JACKSONVILLE, ILLINOIS, AS THE PARENT WATER SUPPLY FOR THE SCOTT COUNTY RURAL WATER COOPERATIVE.

**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            | 1.3                    | 0.41 - 1.9               | MRDLG = 4             | MRDL = 4 | ppm   | N         | Water additive used to control microbes.                                                                                          |
| Haloacetic Acids (HAA5)                    | 2025            | 9                      | 2.47 - 17.4              | No goal for the total | 60       | ppb   | N         | By-product of drinking water disinfection.                                                                                        |
| Total Trihalomethanes (TTHM)               | 2025            | 44                     | 11.29 - 37.6             | 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                                     | 09/26/2024      | 0.026                  | 0.026 - 0.026            | 2                     | 2        | ppm   | N         | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.                                       |
| Fluoride                                   | 09/26/2024      | 0.513                  | 0.513 - 0.513            | 4                     | 4.0      | ppm   | N         | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.        |
| Iron                                       | 09/26/2024      | 0.023                  | 0.023 - 0.023            |                       | 1.0      | ppm   | N         | This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits.              |
| Manganese                                  | 09/26/2024      | 3.7                    | 3.7 - 3.7                | 150                   | 150      | ppb   | N         | This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits.              |
| Nitrate [measured as Nitrogen]             | 2025            | 1                      | 1.1 - 1.1                | 10                    | 10       | ppm   | N         | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.                                      |
| Sodium                                     | 09/26/2024      | 15                     | 15 - 15                  |                       |          | ppb   | N         | Erosion from naturally occurring deposits. Used in water softener regeneration.                                                   |
| Zinc                                       | 09/26/2024      | 0.042                  | 0.042 - 0.042            | 5                     | 5        | ppm   | N         | This contaminant is not currently regulated by the USEPA. However, the state regulates. Naturally occurring; discharge from metal |

THE FOLLOWING WATER MONITORING DATA IS PROVIDED BY THE CITY OF  
WINCHESTER, ILLINOIS, AS THE PARENT WATER SUPPLY FOR THE SCOTT COUNTY  
RURAL WATER COOPERATIVE

## Regulated Contaminants

| Disinfectants and Disinfection Byproducts                                                                                                                                                                                                                                                                                                                                                                                 | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG      | MCL      | Units | Violation | Likely Source of Contamination                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------|--------------------------|-----------|----------|-------|-----------|----------------------------------------------------------------------------------------------------------------------------|
| Chlorine                                                                                                                                                                                                                                                                                                                                                                                                                  | 2025            | 1                      | 0.9 – 1.2                | MRDLG = 4 | MRDL = 4 | ppm   | No        | Water additive used to control microbes                                                                                    |
| Haloacetic Acids (HAA5)                                                                                                                                                                                                                                                                                                                                                                                                   | 2025            | 7                      | 7.2 – 7.2                | n/a       | 60       | ppb   | No        | By-product of drinking water disinfection                                                                                  |
| Total Trihalomethanes (TTHM)                                                                                                                                                                                                                                                                                                                                                                                              | 2025            | 21                     | 20.6 – 20.6              | n/a       | 80       | ppb   | No        | 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                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/24/2023       | 0.0467                 | 0.0467 – 0.0467          | 2         | 2        | ppm   | No        | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.                                |
| Fluoride                                                                                                                                                                                                                                                                                                                                                                                                                  | 1/24/2023       | 0.47                   | 0.47 – 0.47              | 4         | 4.0      | ppm   | No        | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories. |
| Nitrate (Measured as Nitrogen)<br><i>*Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.</i> | 2025            | 8                      | 3.26 – 8.33              | 10        | 10       | ppm   | No        | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.                               |
| Selenium                                                                                                                                                                                                                                                                                                                                                                                                                  | 1/24/2023       | 9.37                   | 9.37 – 9.37              | 50        | 50       | ppb   | No        | Discharge from petroleum refineries; Erosion of natural deposits; discharge from mines                                     |
| Sodium                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/24/2023       | 9110                   | 9110 – 9110              | n/a       | n/a      | ppb   | No        | Erosion from naturally occurring deposits; used in water softener regeneration.                                            |