

Consumer Confidence Report – South Roxana Water System (IL1190970)

Reporting Year: January 1 – December 31, 2024

Contact: Ron Hogue, Water Operator

Phone: 618-254-2086

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 human activity.

Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria.
- **Inorganic contaminants**, such as salts and metals.
- **Pesticides and herbicides**, from agriculture or urban runoff.
- **Organic chemical contaminants**, such as industrial by-products.
- **Radioactive contaminants**, which can be naturally occurring or result from oil and gas production.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised individuals should consult their health care providers. EPA/CDC guidelines on *Cryptosporidium* and other microbial risks are available from the **Safe Drinking Water Hotline at 800-426-4791**.

Water Source and Treatment

The Village of South Roxana **purchases all drinking water from the Village of Roxana** (IL1190900). The water is sourced from **groundwater wells** and treated by the supplier before delivery to South Roxana.

Source Water Location

Meter Type	Location
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CC01	Ground Water Yard, N. Madison Ave
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CC02	Ground Water Approx. 1/4 mile south of South Roxana limits
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CC03	Ground Water Yard, State Route 111
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The Illinois EPA has completed a Source Water Assessment for the Roxana supply. That assessment found the water source susceptible to VOCs and SOCs due to surrounding land use, though monitoring has not detected harmful levels. The source is **not considered vulnerable to viral contamination** due to well depth and protective overburden.

Lead and Copper Monitoring Results

Contaminant	Date Sampled	Action Level	90th Percentile	Range	Sites Over AL	Violation	Likely Source
Copper	09/15/2022	1.3 ppm	0.094 ppm	0 – 0.094 ppm	0	No	Corrosion of plumbing
Lead	08/24/2022 (from Roxana)	15 ppb	1.9 ppb	0 – 1.9 ppb	0	No	Corrosion of plumbing

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

To obtain a copy, contact the Village Clerk at 618-254-2086 ext. 1.

Water Quality Test Results (2024)

Contaminant	Highest Level	Range	MCLG	MCL	Units	Violation	Source
Chlorine	1.3	0 – 1.4	4	4	ppm	No	Disinfectant
Halo acetic Acids (HAA5)	12	8 – 12	n/a	60	ppb	No	Disinfection byproduct

Contaminant	Highest Level	Range	MCLG	MCL	Units	Violation	Source
Total Trihalomethanes (TTHM)	51	30 – 50.6	n/a	80	ppb	No	Disinfection byproduct

Inorganic and Radiological Parameters (from Roxana)

Contaminant	Level	MCLG	MCL	Units	Violation	Source
Barium	0.069	2	2	ppm	No	Erosion of deposits
Fluoride	0.775	4	4	ppm	No	Water additive
Sodium	11	n/a	n/a	ppm	No	Erosion of deposits
Combined Radium (226/228)	0.322	0	5	pCi/L	No	Erosion of deposits
Gross Alpha (excluding radon)	4.98	0	15	pCi/L	No	Erosion of deposits

Violations and Public Notification

The following **monitoring violations** occurred in 2024. These are **Tier 3** violations, meaning they were not emergencies but still require public notice.

Violation Type	Contaminant	Period	Explanation
Monitoring – Routine (DBP)	Chlorine	07/01/2024 – 09/30/2024	Samples arrived late (via mail) and testing exceeded the 30-hour EPA window.
Monitoring – Routine (RTCR)	E. coli	07/01/2024 – 07/31/2024	Samples arrived 1.5 hours late, invalidating routine testing.
Lead Consumer Notice	Lead	12/30/2022 – 04/19/2024	Lead monitoring results were not provided to the consumers within the required 30 days.

Mandatory Public Notice Text

(As required by 40 CFR §141.205)

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Monitoring Requirements Not Met for South Roxana Water System (IL1190970)

Our water system recently violated several drinking water standards. Although this was not an emergency, you as our customer have the right to know what happened, what this means, and what we are doing to correct the situation.

What Happened?

During July 2024, we submitted samples for chlorine and coliform (E. coli) testing to the IEPA. While samples were properly collected, they arrived **1.5 hours past the 30-hour EPA-required timeframe**, invalidating the results.

What This Means:

We cannot confirm water quality during that period due to the missed deadline. However, all of our water is purchased from the Village of Roxana, who also tests the supply.

What Is Being Done?

We've worked with IEPA to improve mailing timelines and ensure future tests meet required turnaround. Follow-up samples confirmed compliance.

What Should You Do?

No action is required. If you are immunocompromised or have concerns, please consult your physician.

Contact Information:

Village of South Roxana, 211 Sinclair Ave, South Roxana, IL 62087

Phone: 618-254-2086

Email: clerk@southroxana.org

Administrator: Bob Coles – **Email:** bcoles@southroxana.org – **Phone:** 618-254-7460 ext. 1

Additional Information

- **EPA Safe Drinking Water Hotline:** 800-426-4791
 - **To request a copy of the Source Water Assessment, service line inventory, or lead sampling data,** contact the Village Clerk.
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IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Monitoring Requirements Not Met for South Roxana Water System

Water System ID#: IL1190970

Date Distributed: July 2024

Our water system recently violated several drinking water standards. Although this was not an emergency, you as our customer have the right to know what happened, what this means, and what we are doing to correct the situation.

What Happened?

We are required to monitor your drinking water for specific contaminants on a regular basis. Monitoring helps ensure that your water meets health standards. During the period from July 1, 2024, to July 31, 2024, we did not meet the required testing deadlines for the following contaminants:

Contaminant	Required Sampling Frequency	Number of Samples Required	Number of Samples Taken	When All Samples Should Have Been Taken	When Samples Were Mailed and Arrived
Chlorine	Monthly	2	2	July 1–31, 2024	Mailed on July 31,2024. Arrived 1.5 hours after deadline
E. coli (RTCR)	Monthly	2	2	July 1–31, 2024	Mailed on July 31,2024, Arrived 1.5 hours after deadline

The samples were taken by the Village and mailed to the Illinois Environmental Protection Agency (IEPA) for testing. However, according to the Coliform Analysis Report dated September 3, 2024, the samples arrived 1.5 hours after the deadline for testing.

Village of South Roxana – Annual Water Quality Report (CCR)

Water System ID#: IL1190970

Reporting Period: January 1 – December 31, 2024

Contact: Ron Hogue, Water Operator | Phone: 618-254-2086

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.
- **Inorganic contaminants**, such as salts and metals.
- **Pesticides and herbicides**, from agriculture or urban runoff.
- **Organic chemical contaminants**, such as petroleum by-products.
- **Radioactive contaminants**, naturally occurring or from industrial processes.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised individuals should seek advice from their health care providers. EPA/CDC guidelines to reduce the risk of infection by *Cryptosporidium* and other microbial contaminants are available on the [CDC Website](#).

Where Does Our Water Come From?

South Roxana's drinking water is **purchased from the Village of Roxana**, which draws and treats **groundwater from a sand and gravel aquifer**. The treated water is delivered via three master meters:

Source Water Name	Type	Location
CC01		Ground Water Yard, North Madison Avenue
CC02		Ground Water Approx. 1/4 mile south of Village limits
CC03		Ground Water Yard, State Route 111

Source Water Assessment

The Illinois EPA completed a source water assessment for Roxana. Key findings:

- Seven potential contamination sources were identified, but many tanks have been removed or relocated above ground.
- Roxana's aquifer is considered susceptible to VOCs/SOCs, though monitoring shows no harmful detections.
- Based on well construction and protective overburden, the source is **not considered vulnerable to viral contamination**.

To review this assessment, visit [IEPA SWAP](#) or contact South Roxana Village Hall at 618-254-2086.

Lead in Drinking Water

Lead in drinking water primarily comes from plumbing materials. South Roxana is responsible for safe delivery but **cannot control plumbing materials in homes**. You can minimize exposure by:

- Running tap water for several minutes before use.
- Using an NSF-certified filter.
- Replacing lead-based plumbing where found.

Learn more at: www.epa.gov/safewater/lead

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 Village of South Roxana 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 Standards 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. 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>

Lead and Copper Monitoring Results

Contaminant	Sample Date	AL	90th Percentile	Range	# Sites > AL	Units	Violation	Likely Source
Copper	09/15/2022	1.3	0.094	0 – 0.094	0	ppm	No	Corrosion of plumbing
Lead	08/24/2022 (Roxana)	15	1.9	0 – 1.9	0	ppb	No	Corrosion of plumbing

- **Our Community Water Supply has developed a service line material inventory.**
Contact the Village Clerk at 618-254-2086 ext. 1 for a copy.

Water Quality Test Results

Disinfection and Disinfection Byproducts

Contaminant	Sample Year	Highest Level	Range	MCLG	MCL	Units	Violation	Source
Chlorine	2024	1.3	0 – 1.4	4	4	ppm	No	Water disinfectant
Halo acetic Acids (HAA5)	2024	12	8 – 12	n/a	60	ppb	No	Disinfection byproduct
Total Trihalomethanes (TTHM)	2024	51	30 – 50.6	n/a	80	ppb	No	Disinfection byproduct

Inorganic and Radiological Contaminants (Reported by Roxana)

Contaminant	Sample Year	Highest Level	MCLG	MCL	Units	Violation	Source
Barium	2024	0.069	2	2	ppm	No	Erosion of deposits
Fluoride	2024	0.775	4	4	ppm	No	Water additive
Sodium	2024	11	n/a	n/a	ppm	No	Erosion from deposits
Combined Radium (226/228)	2023	0.322	0	5	pCi/L	No	Erosion of deposits
Gross Alpha (excl. radon)	2023	4.98	0	15	pCi/L	No	Erosion of deposits

Violations (2024)

Violation Type	Contaminant	Period	Explanation
Monitoring, Routine (DBP)	Chlorine	07/01 – 09/30/2024	Samples arrived late and could not be used.
Monitoring, Routine, Minor (RTCR)	E. coli	07/01 – 07/31/2024	Samples arrived 1.5 hours after the 30-hour holding limit.
Lead Consumer Notice	Lead	12/30/2022 – 04/19/2024	Consumers were not notified of their lead results within 30 days as required.

PUBLIC NOTICE: MONITORING VIOLATIONS – FULL DISCLOSURE

(As required by 40 CFR §141.205 – included in full)

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Monitoring Requirements Not Met for South Roxana Water System

Water System ID#: IL1190970

Date Distributed: July 2024

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What Happened?

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E. coli (RTCR)	Monthly	2	2	July 1–31, 2024	Mailed on July 31, 2024, Arrived 1.5 hours after deadline

The samples were taken by the Village and mailed to the Illinois Environmental Protection Agency (IEPA) for testing. However, according to the Coliform Analysis Report dated September 3, 2024, the samples arrived 1.5 hours after the required testing deadline. Even though the Village has no control over the postal service, which handles the mailing of the samples, this delay still puts us in violation status, prompting this notice. You should be aware all of the village's water is purchased from the Village of Roxana, which also samples the water we consume to ensure the safety of our community.

What Does This Mean?

Chlorine Monitoring: Chlorine is used as a disinfectant in water supplies to ensure the water is safe to drink. Since the samples arrived after the testing deadline, we cannot confirm if the appropriate disinfection was maintained during the monitoring period.

E. coli Monitoring: Routine monitoring for E. coli helps determine if there are harmful bacteria present in the water supply. Due to the late arrival of samples, we cannot confirm if bacteria levels were within safe limits during the monitoring period.

What Is Being Done?

We are working with the IEPA to ensure that all future samples are submitted and processed within the required timeframes. We have also taken follow-up samples, which confirmed we are meeting drinking water standards.

What Should I Do?

You need not do anything at this time. However, if you have specific health concerns, particularly if you have a compromised immune system, you should consult your doctor.

For More Information:

Please contact the Village of South Roxana at 618-254-2086 or visit us at 211 Sinclair Avenue, South Roxana, IL 62087.

Sincerely,

Bob Coles, Village Administrator

| Phone: 618-254-7460 ext. 1 | Fax: 618-254-0542