



2023 ANNUAL WATER QUALITY REPORT

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MITCHELL, IN
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SOUTH LAWRENCE UTILITIES
244 CARPENTER DRIVE
MITCHELL, IN 47446

**SOUTH LAWRENCE UTILITIES
244 CARPENTER DRIVE
MITCHELL, IN 47446
812-849-5544**

IN5247007

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Where does your water come from?

Your drinking water comes from underground wells located near the White River Bridge. Daily plant maintenance, analytical testing and proper disinfection and treatment techniques ensure that safe drinking water is distributed to all of our customers.

Why are there contaminants in your 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.

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. Food and Drug Administration (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.

Do you need to take special precautions?

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 or the Safe Drinking Water Hotline.

Additional health effects you should know about:

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 can suffer liver or kidney damage.

Elevated levels of 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. We are responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for Lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking.

Important information for the Spanish-speaking population: (Espanol)

Este informe contiene informacion muy importante sobre la calidad de su agua potable. Por favor lea este informe o comuniquese con alguien que pueda traducir la informacion.

SOUTH LAWRENCE UTILITIES TEST RESULTS – IN5247007

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	2022	1	1 - 1	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2022	8	5.13 - 11	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2022	30	23.9 - 36.4	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	07/19/2021	0.391	0.391 - 0.391	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	07/19/2021	0.152	0.152 - 0.152	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]	2022	3	2.52 - 2.52	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Gross alpha excluding radon and uranium	07/18/2018	5	5 - 5	0	15	pCi/L	N	Erosion of natural deposits.

Lead and Copper*	Collection Date	MCLG	Action Level (AL)	90 th Percentile	# Sites over AL	Units	Violation? Y/N	Likely Source of Contamination
Copper	2022	1.3	1.3	0.447	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2022	0	15	1.72	0	ppb	N	Erosion of natural deposits; Corrosion of household plumbing systems.

*20 Sites were sampled for Lead and Copper.

Important Drinking Water Definitions:

In the above table, you will find many terms and abbreviations that you may not be familiar with. To help you better understand these terms, we've provided the following definitions:

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

AVG (Average): Regulatory compliance with some MCLs are based on running annual averages of monthly or quarterly samples.

MCL (Maximum Contaminant Level): The "Maximum Allowed" (MCL) is 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.

MCLG (Maximum Contaminant Level Goal): 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.

MRDL (Maximum Residual Disinfectant Level): 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.

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NA (Not Applicable): Does not apply to this water system.

ND (Not detected): Laboratory analysis determined the constituent was not present at detection limits.

PPB (Part Per Billion or microgram per liter (ug/l)): One part per billion equates to one minute in 2,000 years, or a single penny in \$10,000,000.

PPM (Part Per Million or Milligram per liter (mg/l)): One part per million equates to one minute in two years, or a single penny in \$10,000.

How can you get involved?

Your involvement starts with the environment around you. Surface water and groundwater are continually being impacted by your actions. The most effective way to prevent groundwater contamination is through education about potential contamination sources and how to minimize or eliminate them completely.

Water Information Resources:

IDEM (Indiana Department of Environmental Management) – www.in.gov/idem

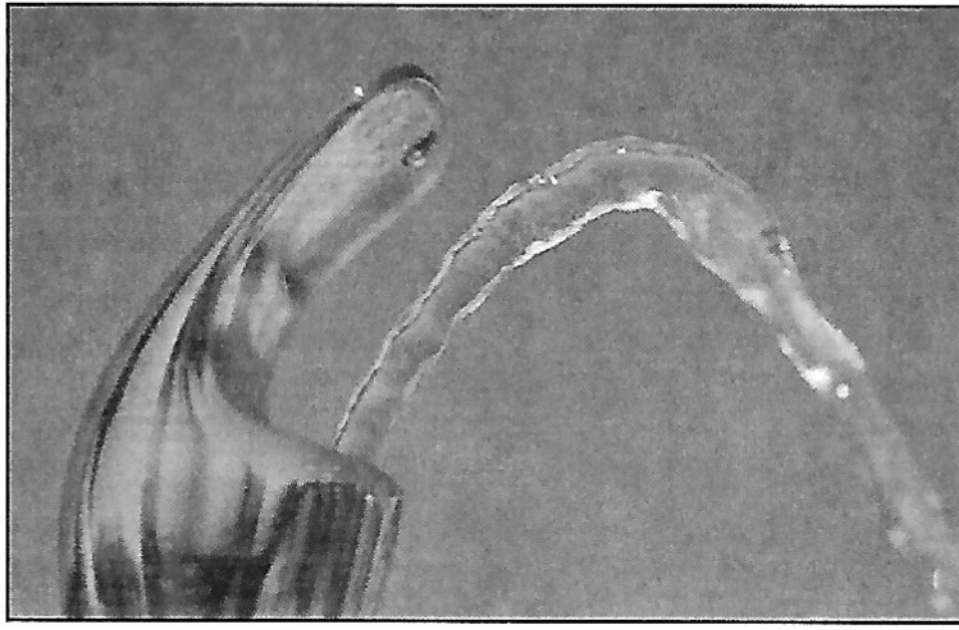
EPA (Environmental Protection Agency) – www.epa.gov/safewater

CDC (Center for Disease Control) – www.cdc.gov

Safe Drinking Water Hotline – 800-426-4791

Important additional information:

Iron Manganese has been increasing in our source water supply. We are in the immediate process of designing and constructing a new filtration treatment facility and taking all necessary steps at the present, to address and correct this issue. Manganese can turn the water a brown or rust color, causing staining of faucets, sinks, or laundry.



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Haloacetic Acids (HAA5)	2021	5	3.02 - 6.88	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2021	28	23.8 - 32.1	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	2021	0.391	0.391 - 0.391	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2021	0.152	0.152 - 0.152	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]	2021	3	3.38 - 3.38	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Gross alpha excluding radon and uranium	07/18/2018	5	5 - 5	0	15	pCi/L	N	Erosion of natural deposits.

Lead and Copper*	Collection Date	MCLG	Action Level (AL)	90 th Percentile	# Sites over AL	Units	Violation? Y/N	Likely Source of Contamination
Copper	2019	1.3	1.3	0.226	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2019	0	15	4.6	0	ppb	N	Erosion of natural deposits; Corrosion of household plumbing systems.

*20 Sites were sampled for Lead and Copper.

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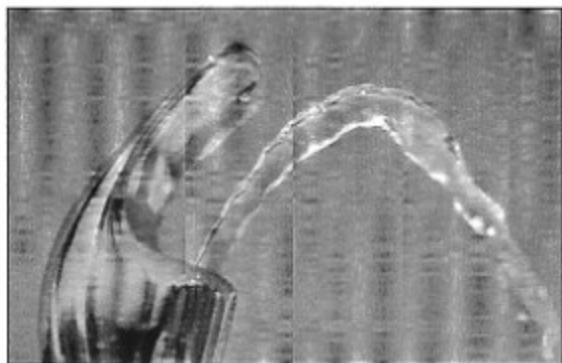
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Halocyclic Acids (HAAs)	2020	16.9	11.1 - 16.9	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHMs)	2020	33.5	22.2 - 33.5	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beryllium	07/07/2018	1.1	1.1 - 1.1	4	4	ppb	N	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries.
Fluoride	07/17/2018	0.146	0.146 - 0.146	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)	2020	3.81	3.81	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Gross alpha excluding radon and uranium	07/18/2018	5	5 - 5	0	15	pCi/L	N	Erosion of natural deposits.

Lead and Copper*	Collection Date	MCLG	Action Level (AL)	90 th Percentile	# Sites over AL	Units	Violation? Y/N	Likely Source of Contamination
Copper	2019	1.3	1.3	0.226	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
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