



**Ramsey Water Company, Inc.**  
Ramsey, Indiana

RAMSEY WATER  
COMPANY, INC.

## **2023 ANNUAL WATER QUALITY REPORT**

**RAMSEY WATER COMPANY  
415 HIGHWAY 64 NW  
P.O. BOX 245  
RAMSEY, IN 47166  
812-347-2551  
IN5231005**

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) for January 1 – December 31, 2023. It provides details about where your water comes from, what it contains, and how it compares to the standards set by regulatory agencies. We routinely perform water quality test mandated by the EPA (Environmental Protection Agency) and IDEM (Indiana Department of Environmental Management). Our goal is to provide you with a safe and dependable supply of drinking water.

### **Contact Information:**

If you have any questions about this report, please contact Ramsey Water at 812-347-2551. If you want to learn more about your water utility, we invite you to attend our Annual Meeting on the second Monday in January at 7:30 pm at 415 Highway 64 NW at the Ramsey Water Office.

### **Where does your water come from?**

Your drinking water comes from two sources. One water source is from wells located in the Ohio River Basin in Crawford County. Additionally, we purchase water from Indiana-American Water Company, which has wells located in Clark County. We also have a source water assessment plan available at our office that integrates geology and potential source of contamination in the Wellhead Protection Area.

### **YOU TOO CAN HELP PROTECT GROUNDWATER**

Recycle household hazardous waste (HHW) and follow label instructions when applying herbicides or pesticides. Properly dispose of medicines, paint, batteries, etc.

**Important information for the Spanish-speaking population: (Español)**

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.

## RAMSEY WATER COMPANY TEST RESULTS – IN5231005 Regulated

### Contaminants:

| Disinfectant | Date | Highest RAA | Range     | MRDLG | MRDL | Units | Violation? Y / N | Typical Source                           |
|--------------|------|-------------|-----------|-------|------|-------|------------------|--|
| Chlorine     | 2023 | 1.0         | 0.5 – 1.7 | 4     | 4    | ppm   | N                | Water Additive used to control microbes. |

| Disinfection By-Products Samples        | Sampling Period | Highest LRAA | Range       | MCLG | MCL | Units | Violation? Y / N | Likely Source of Contamination             |
|---|-----------------|--------------|-------------|------|-----|-------|------------------|--|
| Haloacetic Acids - HAA5 Canal Lane      | 2022 - 2023     | 25           | 17.5 – 31.1 | 0    | 60  | ppb   | N                | By-product of drinking water disinfection. |
| HAA5 Despain Rd                         | 2022 - 2023     | 14           | 9.08 – 18.7 | 0    | 60  | ppb   | N                | By-product of drinking water disinfection. |
| HAA5 Angel Run Rd                       | 2022 - 2023     | 18           | 12.7 – 23.5 | 0    | 60  | ppb   | N                | By-product of drinking water disinfection. |
| HAA5 St Peters Ch Rd                    | 2022 - 2023     | 22           | 14.6 – 28.8 | 0    | 60  | ppb   | N                | By-product of drinking water disinfection. |
| Total Trihalomethanes TTHM - Canal Lane | 2022 - 2023     | 39           | 32.8 – 42.3 | 0    | 80  | ppb   | N                | By-product of drinking water disinfection. |
| TTHM Despain Rd                         | 2022 - 2023     | 29           | 19.2 - 38   | 0    | 80  | ppb   | N                | By-product of drinking water disinfection. |
| TTHM Angel Run Rd                       | 2022 - 2023     | 40           | 28.9 – 46.1 | 0    | 80  | ppb   | N                | By-product of drinking water disinfection. |
| TTHM St Peters Ch Rd                    | 2022 - 2023     | 49           | 29.4 – 61.7 | 0    | 80  | ppb   | N                | By-product of drinking water disinfection. |

| Inorganic Contaminants | Collection Date | Highest Level Detected | Range | MCLG | MCL | Units | Violation? Y/N | Likely Source of Contamination  |
|------------------------|-----------------|------------------------|-------|------|-----|-------|----------------|---|
| Barium                 | 6/5/23          | 0.093                  | 0.093 | 2    | 2   | ppm   | N              | Discharge from drilling waste; Discharge from metal refineries; Erosion of natural deposits.                              |
| Fluoride               | 6/5/23          | 0.711                  | 0.711 | 4    | 4   | ppm   | N              | Erosion of natural deposits; Water additive that promotes strong teeth; discharge from fertilizer and aluminum factories. |
| Nitrate                | 6/5/23          | 0.256                  | 0.256 | 10   | 10  | ppm   | N              | Runoff from fertilizer use; Leaching from septic tank, sewage; Erosion of natural deposits.                               |
| Nitrate-Nitrite        | 2/12/2018       | 0.484                  | 0.484 | 10   | 10  | Ppm   | N              | Runoff from fertilizer use; Leaching from septic tank, sewage; Erosion of natural deposits.                               |

| Lead and Copper* | Collection Date | MCLG | Action Level (AL) | 90 <sup>th</sup> Percentile | # Sites over AL | Units | Violation? Y/N | Likely Source of Contamination  |
|------------------|-----------------|------|-------------------|-----------------------------|-----------------|-------|----------------|---|
| Copper           | 2023            | 1.3  | 1.3               | 0.428                       | 0               | ppm   | N              | Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems. |
| Lead             | 2023            | 0    | 15                | <1.0                        | 0               | ppb   | N              | Erosion of natural deposits; Corrosion of household plumbing systems.                                   |

\*30 Sites were sampled for Lead and Copper.

| Radioactive Contaminants | Collection Date | Highest Level Detected | Range | MCLG | MCL | Units | Violation? Y/N | Likely Source of Contamination |
|--------------------------|-----------------|------------------------|-------|------|-----|-------|----------------|--------------------------------|
|--------------------------|-----------------|------------------------|-------|------|-----|-------|----------------|--------------------------------|

|   |         |      |      |   |               |       |   |                              |
|---|---------|------|------|---|---------------|-------|---|------------------------------|
| Gross Alpha excluding radon and uranium | 12/5/23 | <3.0 | <3.0 | 0 | 15            | pCi/L | N | Erosion of natural deposits. |
| Rad 226                                 | 12/5/23 | <1.0 | <1.0 | 0 | AL 3          | pCi/L | N | Erosion of natural deposits. |
| Rad 228 (Combined w/226)                | 12/5/23 | <1.0 | <1.0 | 0 | Combined AL 5 | pCi/L | N | Erosion of natural deposits. |

## 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.

## INDIANA-AMERICAN WATER COMPANY TEST RESULTS – IN5210005

### Regulated Contaminants:

| Disinfection ByProducts               | Sampling Period | Compliance Achieved | Highest LRAA | Range Detected | MCLG | MCL | Likely Source of Contamination             |
|---------------------------------------|-----------------|---------------------|--------------|----------------|------|-----|--|
| HAA5<br>New Albany Ind. Park          | 2023 - 2024     | Yes                 | 15           | 14.5 – 14.5    | 0    | 60  | By-product of drinking water disinfection. |
| HAA5 Silver Hills –<br>Spring Hill Dr | 2023 - 2024     | Yes                 | 17           | 16.7 – 16.7    | 0    | 60  | By-product of drinking water disinfection. |
| TTHM<br>New Albany Ind. Park          | 2023 - 2024     | Yes                 | 34           | 34.4 – 34.4    | 0    | 80  | By-product of drinking water disinfection. |
| TTHM Silver Hills -<br>Spring Hill Dr | 2023 - 2024     | Yes                 | 36           | 36.2 - 36.2    | 0    | 80  | By-product of drinking water disinfection. |

| Disinfectants | Collection Date | Compliance Achieved | Compliance Result | Minimum Residual | Range Detected | MRDLG | MRDL | Likely Source of Contamination           |
|---------------|-----------------|---------------------|-------------------|------------------|----------------|-------|------|--|
| Chlorine      | 2023            | Yes                 | 1.31              | 0.2              | .55 – 1.82     | 4     | 4    | Water Additive used to control microbes. |

| Inorganic Contaminants | Year Sampled | Compliance Achieved | Highest Compliance Result | MCLG | MCL | Range Detected | Likely Source of Contamination  |
|------------------------|--------------|---------------------|---------------------------|------|-----|----------------|---|
| Fluoride               | 5/4/21       | Yes                 | 0.77                      | 4    | 4   | NA             | Erosion of natural deposits; Water additive that promotes strong teeth; discharge from fertilizer and aluminum factories. |
| Nitrate (N)            | 7/9/23       | Yes                 | 0.14                      | 10   | 10  | NA             | Runoff from fertilizer use; industrial or domestic wastewater discharge; Erosion of natural deposits.                     |
| Nitrate-Nitrite        | 7/9/23       | Yes                 | 0.14                      | 10   | 10  | NA             |   |

| Lead and Copper* | Year Sampled | Compliance Achieved | MCLG    | Action Level | 90 <sup>th</sup> Percentile | # Sites over AL | Violation? Y/N | Likely Source of Contamination           |
|------------------|--------------|---------------------|---------|--------------|-----------------------------|-----------------|----------------|--|
| Copper           | 2021         | Yes                 | 1.3 ppm | 1.3          | 0.622                       | 0               | N              | Corrosion of household plumbing systems. |
| Lead             | 2021         | Yes                 | 0 ppb   | 15           | ND                          | 0               | N              | Corrosion of household plumbing systems. |

| Radioactive Contaminants              | Collection Date | Highest Value | Range | MCLG | MCL | Units | Violation? Y/N | Likely Source of Contamination |
|---------------------------------------|-----------------|---------------|-------|------|-----|-------|----------------|--------------------------------|
| Gross Alpha - Excl. radon and uranium | 4/2/2023        | 1.45          | 1.45  | 0    | 15  | pCi/L | N              | Erosion of natural deposits.   |
| Combined Radium (226 & 228)           | 4/2/2023        | 0.498         | 0.498 | 0    | 5   | pCi/L | N              | Erosion of natural deposits.   |
| Rad 226                               | 4/2/2023        | 0.142         | 0.142 | 0    | 5   | pCi/L | N              | Erosion of natural deposits.   |
| Rad 228                               | 4/2/2023        | 0.356         | 0.356 | 0    | 5   | pCi/L | N              | Erosion of natural deposits.   |

### Water Information Resources:

IDEM (Indiana Department of Environmental Management) – [www.in.gov/idem](http://www.in.gov/idem)

CDC (Center for Disease Control) – [www.cdc.gov](http://www.cdc.gov)

EPA (Environmental Protection Agency) – [www.epa.gov/safewater](http://www.epa.gov/safewater)

Safe Drinking Water Hotline – 800-426-4791

### Important Drinking Water Definitions

In the above tables, 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:

**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 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.

**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.

**MRDLG (Maximum Residual Disinfection Level Goal):** 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.

**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 ounce in 7,350,000 gallons of water.

**PPM (Part Per Million or Milligram per liter (mg/l)):** One part per million equates to one ounce in 7,350 gallons of water.

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

**MREM:** Millirems per year (a measure of radiation absorbed by the body).

### 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:**

Some people who drink water containing Haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

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.