

WHAT ELSE MIGHT CONCERN ME?

For more information, call
The Hammond Water Filtration Plant
Hammond Water Works Department
at 219-853-6439.

Member of:
American Water Works Association
Indiana Rural Water Association
West Shore Water Producers Association

PWS ID #: 5245020



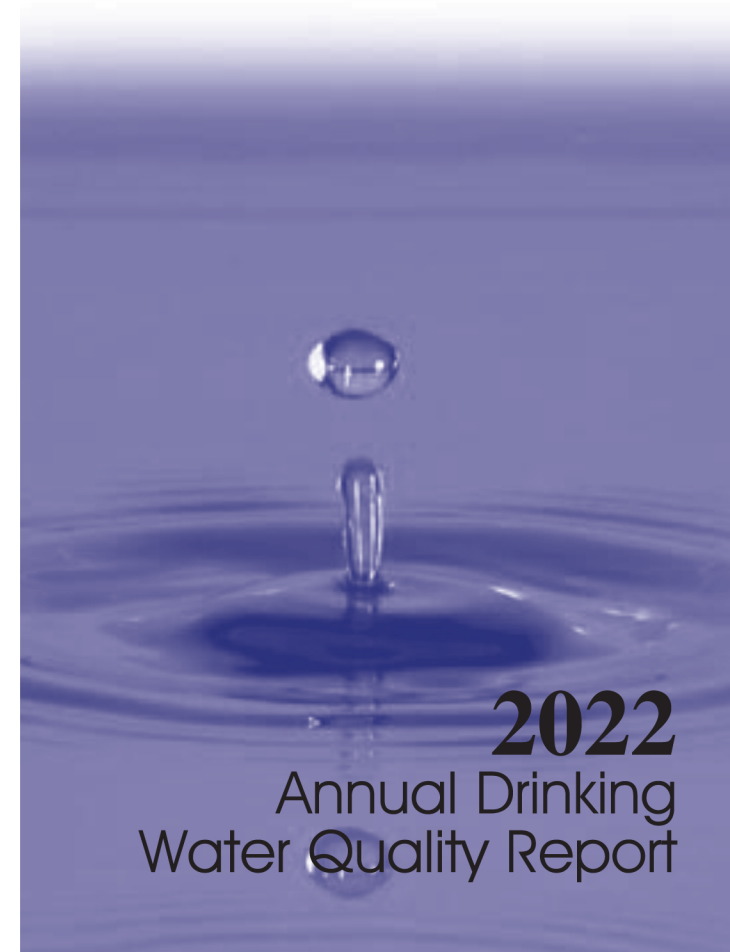
Hammond Water Works Department
6505 Columbia Avenue
Hammond, IN 46320

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Water Works Department



2022
Annual Drinking
Water Quality Report

HOW GOOD IS HAMMOND WATER?

This is an Annual Water Quality Report delivered by the Hammond Water Works Department. Included is a listing of results from water quality tests as well as an explanation of where our water comes from and tips on how to interpret the data. We're proud to share our results with you. Please read them carefully. We are proud to report that the water provided by the Hammond Water Works Department meets or exceeds established water quality standards.

We encourage public interest and participation in our community's decisions affecting drinking water. Regular meetings of the Board of Directors occur on the 2nd and 4th Thursday of every month, at 6505 Columbia Avenue at 6:30 pm. The public is welcome.

WHERE DOES OUR WATER COME FROM?

Hammond Water Works Department is supplied by surface water from Lake Michigan.

WHAT ARE WE DOING TO MAKE THINGS BETTER?

In 1995, the Hammond Water Works changed over to granular activated carbon rather than anthracite as a filter media to control taste and odor. We have continued using this filter media and have recently invested four million dollars on various improvements to our Lake Michigan based Filtration Plant. Hammond residents continue to enjoy the lowest water rates in the State of Indiana.



Mayor Thomas McDermott, Jr.

WHAT ELSE SHOULD I KNOW?

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 Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).



Only 1% of the earth's water is available for drinking water.



You can survive about a month without food, but only 5 to 7 days without water.

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

WHERE DOES WATER COME FROM?

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:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

(D) 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 stormwater runoff, and septic systems.

(E) Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Concerning Lead and Your Water

If present, 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 private service lines and home plumbing. The Hammond Water Works Department is 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 the water for drinking or cooking. 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 from the Safe Drinking Water Hotline (800-426-4791) or at <http://www.epa.gov/safewater/lead>.

IMPORTANT HEALTH INFORMATION

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

HOW TO READ THIS TABLE

The results of tests performed in 2022 or the most recent testing available are presented in the table. Important definitions are presented below:

Maximum Contaminant Level or 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 Contaminant Level Goal or 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.

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

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

KEY TO TABLE

AL = Action Level
MCL = Maximum Contaminant Level
MCLG = Maximum Contaminant Level Goal
NTU = Nephelometric Turbidity Units
ppm = parts per million, or milligrams per liter (mg/L)
ppb = parts per billion, or micrograms per liter (µg/L)
TT = Treatment Technique
nd = none detected
n/a = not applicable

SUMMARY OF WATER QUALITY DATA

| MICROBIOLOGICAL CONTAMINANTS | | DATE TESTED | UNIT | GOAL (MCLG) | MAXIMUM ALLOWED (MCL) | DETECTED LEVEL | RANGE OF VALUES TESTED | LIKELY SOURCE OF CONTAMINANTS | |
|--|--|-----------------------------|------------------------|--------------------------|-----------------------|-----------------|------------------------|---|--|
| Total Coliform | | 2022 | % of Samples | 0 | ≥5 | 1.2% | n/a | Naturally present in the environment | |
| Turbidity ¹ | | 2022 | NTU | n/a | TT | 0.3-0.21 | n/a | Soil runoff | |
| | | Limit (Treatment Technique) | | Level Detected | | Violation | | | |
| Highest Single Measurement | | 1 NTU | | 0.15 NTU | | N | | Soil runoff | |
| Lowest Monthly % Meeting Limit | | 0.3 NTU | | 100% | | N | | Soil runoff | |
| INORGANIC CHEMICALS | | DATE TESTED | UNIT | MCLG | MCL | LEVEL | RANGE | LIKELY SOURCE OF CONTAMINANTS | |
| Nitrate (measured as Nitrogen) | | 2022 | ppm | 10.0 | 10.0 | 0.3842 | n/a | Runoff from fertilizer use; Leaching from septic tanks, sewage | |
| Barium | | 2022 | ppm | 2.0 | 2.0 | 0.0212 | n/a | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits | |
| Fluoride | | 2022 | ppm | 4.0 | 4.0 | 0.5 | 0.5-1.0 | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories | |
| LEAD AND COPPER | | DATE SAMPLED | MCLG | ACTION LEVEL (AL) | 90TH PERCENTILE | # SITES OVER AL | UNITS | VIOLATION | LIKELY SOURCE OF CONTAMINANTS |
| Copper ² | | 2022 | 1.3 | 1.3 | 0.1146 | 0 | ppm | N | Erosion of natural deposits; Leaching from wood preservatives. Corrosion of household plumbing systems |
| Lead ³ | | 2022 | 0 | 15.0 | 2.3 | 0 | ppb | N | Corrosion of household plumbing systems; Erosion of natural deposits. |
| DISINFECTION BY-PRODUCTS | | DATE TESTED | UNIT | MCLG | MCL | LEVEL | RANGE | LIKELY SOURCE OF CONTAMINANTS | |
| Total Haloacetic Acids | | 2022 | ppb | n/a | 60 | 4.0 | 2.4-5.3 | By-product of drinking water chlorination | |
| Total Trihalomethanes (TTHM) | | 2022 | ppb | n/a | 80 | 15.0 | 10.4-18.9 | By-product of drinking water chlorination | |
| Chlorine | | 2022 | ppm | n/a | 4.0 | 2.0 | 1.6-2.0 | By-product of drinking water chlorination | |
| RADIOACTIVE CONTAMINANTS | | COLLECTION DATE | HIGHEST LEVEL DETECTED | RANGE OF LEVELS DETECTED | MCLG | MCL | UNITS | VIOLATION | LIKELY SOURCE OF CONTAMINANTS |
| Gross alpha excluding radon and uranium | | 2018 | 0.54 | 0.54-0.54 | 0 | 15 | pCi/L | N | Erosion of natural deposits. |
| SYNTHETIC ORGANIC CONTAMINANTS INCLUDING PESTICIDES AND HERBICIDES | | COLLECTION DATE | HIGHEST LEVEL DETECTED | RANGE OF LEVELS DETECTED | MCLG | MCL | UNITS | VIOLATION | LIKELY SOURCE OF CONTAMINANTS |
| 2,4-D | | 05/07/2019 | 0.5 | 0.5-0.5 | 70 | 70 | ppb | N | Runoff from herbicide used on row crops. |
| Atrazine ⁴ | | 2022 | ppb | 3.0 | 3.0 | BDL | BDL | BDL | By-product of drinking water chlorination |
| TOTAL ORGANIC CARBON | | | | | | | | | |
| TOC REMOVAL WAS MEASURED EACH MONTH AND MET ALL SET REQUIREMENTS. | | | | | | | | | |

WATER QUALITY TABLE FOOTNOTES

- 1. 100% of the samples tested were below the treatment technique level of 0.3 NTU. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.
- 2. None of the samples tested for copper exceeded the current action level of 1.3 ppm.
- 3. None of the samples test for lead exceeded the current action level of 15.0 ppb.
- 4. BDL = Below Detection Level of 0.1 ppb

SOURCE WATER INFORMATION

The Surface Water Source for The City of Hammond and its wholesale customers comes from Lake Michigan. The Indiana Department of Environmental Management has assessed all surface water sources. In Indiana all surface waters are considered to be susceptible to contamination. Therefore, chemical treatment, filtration, and lab analysis ensures high quality drinking water. For more information please contact IDEM-Drinking Water Branch at (800) 451-6027.