2024 Water Quality Report

EAST CHICAGO WATER WORKS PWS ID: IN5245012

For more information regarding this report, contact:

Winna Guzman
Director, East Chicago Water Department
400 E Chicago Ave., East Chicago, IN 46312

(219) 391-8469
ecwater@eastchicago.com
www.eastchicago.com

Visit eastchicago.com/258/Water-Department to download a PDF of this report



SAFE DRINKING WATER

We are pleased to present to you the Annual Water Quality Report (Consumer Confidence Report) for the period of January 1 to December 31, 2024. 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. (Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien).

ANTHONY COPELAND
Mayor City of East Chicago

SOURCES OF DRINKING WATER

SOURCE NAME		TYPE OF WATER
LAKE MICHIGAN	LAKE	SURFACE 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 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.

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.

INFO: More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

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 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 by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater 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 tap water is safe to drink, the 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 that must provide the same protection.



HEALTH INFORMATION

Some people may be more vulnerable to contaminants in drinking water than the general population.

Contaminants may be found in drinking water that may cause taste, color or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor or color of drinking water, please contact the system's business office.

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 at (800) 426-4791.

PUBLIC PARTICIPATION

For opportunity for public participation in decisions that may affect the quality of water, the East Chicago Board of Water Works holds its regularly scheduled meetings at 5 p.m. on the first and third Mondays of each month at City Hall, 4525 Indianapolis Blvd., 2nd Floor, East Chicago, IN 46312, in which the public may attend.

WATER QUALITY IN INDIANA

Public Water Systems must follow federal and state safe drinking water regulations, which includes checking water for bacteria and unsafe chemicals and sending those test results to the Indiana Department of Environmental Management. Learn more at www.in.gov/idem.

DEFINITIONS

In the tables below, you will find terms and abbreviations that might not sound familiar. To help you better understand these terms, we've provided the following definitions:

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

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.

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 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.

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.





Maximum residual disinfectant level goal or 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 or MRDL: 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

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

Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

Avg: Average - Regulatory compliance with some MCLs are based on running annual average of monthly samples.

LRAA: Locational Running Annual Average

mrem: millirems per year (a measure of radiation absorbed by the body)

ppb: micrograms per liter (ug/L) or parts per billion - or one ounce in 7,350,000 gallons of water.

ppm: milligrams per liter (mg/L) or parts per million - or one ounce in 7,350 gallons of water

picocuries per liter (pCi/L): picocuries per liter is a measure of the radioactivity in water.

na: not applicable.

REGULATED CONTAMINANTS

In the tables below, we have shown the regulated contaminants that were detected. Chemical sampling of our drinking water may not be required on an annual basis; therefore, information provided in this table refers to the latest year of chemical sampling results.

LEAD AND COPPER	PERIOD	90TH PERCENTILE: 90% of your water utility levels were less than	RANGE OF SAMPLED RESULTS (LOW - HIGH)	UNIT	AL SITES	OVER AL	TYPICAL SOURCE
COPPER, FREE	2021 - 2024	0.093	0.0017 - 0.12	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2021 - 2024	8	0.54 - 28	ppb	15	1	Corrosion of household plumbing systems; Erosion of natural deposits

LEAD IN DRINKING 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 associated with service lines and home plumbing. East Chicago Water Works is responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing. 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,

CONCERNS? If you are concerned about lead in your water, please contact the East Chicago Water Department at (219) 391-8469 or email **ecwater@eastchicago.com** to have your water tested.

INFO: Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or at **www.epa.gov/safewater/lead**.

LEAD SERVICE LINE REPLACEMENT

Mayor Anthony Copeland has prioritized replacing lead service lines in order to safeguard the health and safety of residents, with an overall goal of improving the quality of life of East Chicagoans. Property owners can visit **eastchicago.com/258/Water-Department** for more information on this important project.

QUESTIONS? Call (219) 391-8469 or email ecwater@eastchicago.com.



LEAD SERVICE LINE INVENTORY

The Indiana Department of Environmental Management (IDEM) Public Transparency Dashboard (PTD) is using a map-based tool to ensure the public accessibility of service line inventories submitted by public water systems. It displays service line locations, material types and relevant contact information for public water systems.

INFO: Visit **idem.120water-ptd.com** to learn more.

REGULATED CONTAMINANTS (CONTINUED)

DISINFECTION BY-PRODUCTS	PERIOD	HIGHEST RAA	RANGE	UNIT	MCL	MCLG	TYPICAL SOURCE
TOTAL HALOACETIC ACIDS (HAA5) - 1202 W. 148th St.	2023-2024	15	10.2 - 14.5	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) - 1203 W. 151st St.	2023-2024	13	12.2 - 14.2	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) - 400 E. Chicago Ave.	2023-2024	14	8.6 - 19.3	ppb	80	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) 777 Aldis Ave.	2023-2024	10	8 - 10.9	ppb	60	0	By-product of drinking water disinfection
TTHM 1202 W. 148th St.	2023-2024	32	27.95 - 39.89	ppb	80	0	By-product of drinking water chlorination
TTHM 1203 W. 151st St.	2023-2024	41	26.23 - 35.09	ppb	80	0	By-product of drinking water chlorination
TTHM 400 E. Chicago Ave.	2023-2024	33	17.1 - 44.69	ppb	80	0	By-product of drinking water chlorination
TTHM 777 Aldis Ave.	2023-2024	34	18.03 - 51.86	ppb	80	0	By-product of drinking water chlorination

REGULATED CONTAMINANTS	COLLECTION DATE	HIGHEST VALUE	RANGE	UNIT	MCL	MCLG	TYPICAL SOURCE
BARIUM	7/9/2024	0.021	0.021	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
FLUORIDE	7/9/2024	0.11	0.11	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NITRATE	10/15/2024	0.29	0.29	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
NITRATE-NITRITE	6/5/2023	0.25	0.24 -0.25	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

DISINFECTANTS

Our water system tested a minimum of 30 samples per month in accordance with the Total Coliform Rule for microbiological contaminants. With the microbiological samples collected, the water system collects disinfectant residuals to ensure control of microbial growth.

DISINFECTANT	DATE	HIGHEST RAA	RANGE	UNIT	MRDL	MRDLG	TYPICAL SOURCE
CHLORINE	2024	1	0.091-1.83	ppm	4	4	Water additive used to control microbes

TURBIDITY

Turbidity is a measurement of the cloudiness of water. Caused by suspended particles, turbidity is a good indicator of water quality and the effectiveness of filtration.

PERCENTAGE OF SAMPLES IN COMPLIANCE WITH STD.	MONTHS OCCURRED	VIOLATION	HIGHEST SINGLE MEASUREMENT	MONTH	SOURCES	LEVEL INDICATOR
100	12	No	0.14	September	Treatment Plant #2 - new plant	Yes

TOTAL ORGANIC CARBON

The percentage of Total Organic Carbon (TOC) removal was measured each month. The system met all TOC removal requirements. In cases where there was an issue, the violation is noted in the section below..

TOC	COLLECTION DATE	HIGHEST VALUE	RANGE	UNIT	TT	TYPICAL SOURCE
CARBON, TOTAL	7/7/2024	1.92	1.66-1.92	MG/L	0	Naturally present in the environment

VIOLATIONS

During the period covered by this report, East Chicago reported the four violations noted below.

VIOLATION PERIOD	ANALYTE	VIOLATION TYPE	VIOLATION EXPLANATION
12/31/2023 - 1/21/2025	LEAD & COPPER RULE	LEAD CONSUMER NOTICE (LCR)	Failed to meet content, delivery, and/or reporting requirements for lead consumer notification
2/29/2024 - 3/30/2024	E. COLI	REPORT SAMPLE RESULT/FAIL MONITOR RTCR	Failed to provide coliform sample results to state or provide notification monitoring violation occurred
9/30/2024 - 12/30/2024	TTHM	MONITORING, ROUTINE (DBP), MAJOR	Failed to monitor/report as required for chlorine or disinfection by-products
9/30/2024 - 12/30/2024	TOTAL HALOACETIC ACIDS (HAA5)	MONITORING, ROUTINE (DBP), MAJOR	Failed to monitor/report as required for chlorine or disinfection by-products

DEFICIENCIES

Unresolved significant deficiencies that were identified during a survey done on the water system are shown below.

DATE IDENTIFIED	FACILITY	CODE	ACTIVITY	DUE DATE	DESCRIPTION
11/15/2023	PUMPING FACILITY - FINISHED WATER #1	PU04	SANITARY SURVEY LETTER RESPONSE	1/12/2024	Pumps and facilities are not properly maintained
11/15/2023	TREATMENT PLANT	TR26	SANITARY SURVEY LETTER RESPONSE	1/12/2024	System does not have proper filter inspection records
11/15/2023	WATER SYSTEM	FW05	SANITARY SURVEY LETTER RESPONSE	1/12/2024	Reservoirs are not structurally sound
11/15/2023	WATER SYSTEM	FW06	SANITARY SURVEY LETTER RESPONSE	1/12/2024	System does not have a storage maintenance schedule in place and records kept
11/15/2023	WATER SYSTEM	SM01	SANITARY SURVEY LETTER RESPONSE	1/12/2024	ERP not available or up to date

EMERGENCY ASSISTANCE

The East Chicago Water Filtration Membrane Plant was treated by adjacent systems through emergency existing interconnections, namely Indiana American Water IN524015 and the Hammond Water Works Department IN5245020 between the limited dates and sections referenced below. These systems are also surface water systems, but were treated by the two referenced utilities. East Chicago Water Works required limited assistance from these two utilities to relieve stress on the East Chicago Water Works membrane plant to meet demands of East Chicago customers and during plant upgrades that occurred during the dates referenced below.

SOURCE NAME		TYPE OF WATER
BORMAN PARK	LAKE MICHIGAN	SURFACE WATER
OGDEN DUNES	LAKE MICHIGAN	SURFACE WATER

JANUARY 26, 2024 – FEBRUARY 12, 2024

Production/Demand Related

Indiana American Water IN524015

Approximately 447 customers were impacted at the following locations:

- **Parrish Avenue:** Chicago to 149th
- **Ivy Street:** Chicago to 149th
- **Euclid Avenue:** Chicago to 149th
- **Drummond:** Chicago to 149th
- **Carey:** Chicago to 149th
- **Grasselli:** Chicago to 149th

FEBRUARY 23, 2024 – FEBRUARY 29, 2024

Upgrades to Membrane Plant

Indiana American Water IN524015

Approximately 447 customers were impacted at the following locations:

- **Parrish Avenue:** Chicago to 149th
- **Ivy Street:** Chicago to 149th
- **Euclid Avenue:** Chicago to 149th
- **Drummond:** Chicago to 149th
- **Carey:** Chicago to 149th
- **Grasselli:** Chicago to 149th



SOURCE NAME		TYPE OF WATER
LAKE MICHIGAN	LAKE MICHIGAN	SURFACE WATER

JANUARY 24, 2024 – FEBRUARY 5, 2024

Production/Demand Related

Hammond Water Works IN524020

Approximately 392 customers were impacted at the following locations:

- **Roxanna Subdivision**
- **Baring:** Roxanna-Carrol Street
- **Northcote Avenue:** Roxanna-Carrol Street
- **Homerlee Avenue:** Roxanna-Carrol Street
- **Reading:** Roxanna-Carrol Street
- **Wegg:** Roxanna-Carrol Street
- **Walsh:** Roxanna-Carrol Street
- **White Oak:** Roxanna-Carrol Street

REGULATED CONTAMINANTS

In the tables below, we have shown the regulated contaminants that were detected. Chemical Sampling of our drinking water may not be required on an annual basis; therefore, information provided in this table refers back to the latest year of chemical sampling results.

LEAD AND COPPER	PERIOD	90TH PERCENTILE: 90% of your water utility levels were less than	RANGE OF SAMPLED RESULTS (LOW - HIGH)	UNIT	AL SITES	OVER AL	TYPICAL SOURCE
COPPER, FREE	2021 - 2024	0.057	0.027 - 0.134	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2021 - 2024	3	1-13	ppb	15	10	Corrosion of household plumbing systems; Erosion of natural deposits

DISINFECTION BY-PRODUCTS	PERIOD	HIGHEST RAA	RANGE	UNIT	MCL	MCLG	TYPICAL SOURCE
TOTAL HALOACETIC ACIDS (HAA5) - 37th & Cleveland - Booster Station	2023-2024	12	7.4 - 13	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) - Coffee Creek - Booster Station	2023-2024	13	9.1 - 13.6	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) - Dune Acres - Booster Station	2023-2024	13	10.2 - 14.8	ppb	80	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) - Miller - Ground Tank and Booster Station	2023-2024	12	8.5 - 12.4	ppb	60	0	By-product of drinking water disinfection
TTHM - 37th & Cleveland - Booster Station	2023-2024	23	15.3 - 32.4	ppb	80	0	By-product of drinking water chlorination
TTHM - Coffee Creek - Booster Station	2023-2024	25	16.6 - 29.7	ppb	80	0	By-product of drinking water chlorination
TTHM - Dune Acres - Booster Station	2023-2024	24	17.5 - 29.6	ppb	80	0	By-product of drinking water chlorination
TTHM- Miller - Ground Tank and Booster Station	2023-2024	23	16.3 - 29.8	ppb	80	0	By-product of drinking water chlorination

REGULATED CONTAMINATES	COLLECTION DATE	HIGHEST VALUE	RANGE	UNIT	MCL	MCLG	TYPICAL SOURCE
FLUORIDE	4/15/2024	0.11	0.11	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NITRATE	4/15/2024	0.38	0.33 - 0.38	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
NITRATE-NITRITE	4/15/2024	0.38	0.33 - 0.38	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

RADIOLOGICAL CONTAMINATES	COLLECTION DATE	HIGHEST VALUE	RANGE	UNIT	MCL	MCLG	TYPICAL SOURCE
COMBINED RADIUM (-226 & -228)	4/4/2021	0.686	0.659 - 0.686	pCi/L	5	0	Erosion of natural deposits
GROSS ALPHA, EXCL. RADON & U	4/4/2021	0.805	0.774 - 0.805	pCi/L	15	0	Erosion of natural deposits
RADIUM-226	4/4/2021	0.213	0.213	pCI/L	5	0	
RADIUM-228	4/4/2021	0.753	0.446 - 0.753	pCI/L	5	0	

DISINFECTANTS

Our water system tested a minimum of 120 samples per month in accordance with the Total Coliform Rule for microbiological contaminants. With the microbiological samples collected, the water system collects disinfectant residuals to ensure control of microbial growth.

DISINFECTANT	DATE	HIGHEST RAA	RANGE	UNIT	MRDL	MRDLG	TYPICAL SOURCE
CHLORAMINE	2024	2	0.51 - 2.77	ppm	4	4	Water additive used to control microbes

TURBIDITY

Turbidity is a measurement of the cloudiness of the water caused by suspended particles. It is a good indicator of water quality and the effectiveness of our filtration.

PERCENTAGE OF SAMPLES IN COMPLIANCE WITH STD.	MONTHS OCCURRED	VIOLATION	HIGHEST SINGLE MEASUREMENT	MONTH	SOURCES	LEVEL INDICATOR
100	12	No	0.17	February	Borman Park Plant	Yes
100	12	No	0.17	September	Ogden Dunes Plant	Yes

TOTAL ORGANIC CARBON

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

TOC	COLLECTION DATE	HIGHEST VALUE	RANGE	UNIT	TT	TYPICAL SOURCE
CARBON, TOTAL	6/30/2024	2.15	1.49 - 2.15	MG/L	0	Naturally present in the environment

REGULATED CONTAMINANTS

In the tables below, we have shown the regulated contaminants that were detected. Chemical sampling of drinking water may not be required on an annual basis; therefore, information provided in this table refers to the latest year of chemical sampling results.

LEAD AND COPPER	PERIOD	90TH PERCENTILE: 90% of your water utility levels were less than	RANGE OF SAMPLED RESULTS (LOW - HIGH)	UNIT	AL SITES	OVER AL	TYPICAL SOURCE
COPPER, FREE	2021 - 2024	0.1058	0.0018 - 0.2858	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2021 - 2024	1.8	1 - 3.5	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits

DISINFECTION BY-PRODUCTS	PERIOD	HIGHEST RAA	RANGE	UNIT	MCL	MCLG	TYPICAL SOURCE
TOTAL HALOACETIC ACIDS (HAA5) - 1545 173rd St.	2023-2024	5	3.8 - 4.8	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) - 3510 173 rd St.	2023-2024	7	2.9 - 6.8	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) - 6110 Calumet Ave.	2023-2024	4	3.1 - 5.2	ppb	80	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) 6920 Kennedy Ave.	2023-2024	4	3 - 5.3	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5) 7101 Indianapolis	2023-2024	5	3.4 - 6	ppb	60	0	By-product of drinking water disinfection
TTHM 1545 173rd St.	2023-2024	23	13.1 - 31.7	ppb	80	0	By-product of drinking water chlorination
TTHM 3510 173 rd St.	2023-2024	32	22.8 - 31.89	ppb	80	0	By-product of drinking water chlorination
TTHM 6110 Calumet Ave.	2023-2024	17	13.6 - 23.3	ppb	80	0	By-product of drinking water chlorination
TTHM 6920 Kennedy Ave.	2023-2024	24	14.2 - 32.52	ppb	80	0	By-product of drinking water chlorination
TTHM 7101 Indianapolis	2023-2024	21	13.5 - 28.9	ppb	80	0	By-product of drinking water chlorination

REGULATED CONTAMINANTS	COLLECTION DATE	HIGHEST VALUE	RANGE	UNIT	MCL	MCLG	TYPICAL SOURCE
BARIUM	5/7/2024	0.0216	0.0216	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
CYANIDE	5/7/2024	6.2	6.2	ppb	200	200	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories
FLUORIDE	5/7/2024	0.725	0.725	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NITRATE-NITRITE	5/7/2024	0.3972	0.3972	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

DISINFECTANTS

Our water system tested a minimum of 80 samples per month in accordance with the Total Coliform Rule for microbiological contaminants. With the microbiological samples collected, the water system collects disinfectant residuals to ensure control of microbial growth.

DISINFECTANT	DATE	HIGHEST RAA	RANGE	UNIT	MRDL	MRDLG	TYPICAL SOURCE
CHLORINE	2024	2	0.24 - 1	ppm	4	4	Water additive used to control microbes

TURBIDITY

Turbidity is a measurement of the cloudiness of the water caused by suspended particles.
We monitor it because it is a good indicator of water quality and the effectiveness of our filtration.

PERCENTAGE OF SAMPLES IN COMPLIANCE WITH STD.	MONTHS OCCURRED	VIOLATION	HIGHEST SINGLE MEASUREMENT	MONTH	SOURCES	LEVEL INDICATOR
100	12	No	0.17	August	Treatment Plant #1	Yes

TOTAL ORGANIC CARBON

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

TOC	COLLECTION DATE	HIGHEST VALUE	RANGE	UNIT	TT	TYPICAL SOURCE
CARBON, TOTAL	9/10/2024	5.31	1.96 - 5.31	MG/L	0	Naturally present in the environment

DID YOU KNOW? There are more than 4,000 water systems in Indiana. These systems range from schools and utilities to rural restaurants and churches. Water systems must check their outgoing water for bacteria and unsafe chemicals. Results are transmitted to the Indiana Department of Environmental Management. Water can become unsafe when pipes crack, water softeners are not cleaned, chemicals are spilled near a well or contaminants back flow into water systems.

CITY OF EAST CHICAGO
4525 INDIANAPOLIS BOULEVARD
EAST CHICAGO, IN 46312

**PRSRT STD
U.S. POSTAGE
EDDM
PAID
Gary, IN
PERMIT # 121**

RESIDENT
EAST CHICAGO, INDIANA 46312

HAMMOND WATER WORKS DATA (CONTINUED)

VIOLATIONS

During the period covered by this report, Hammond Water Works had the following violations.

VIOLATION PERIOD	ANALYTE	VIOLATION TYPE	VIOLATION EXPLANATION
9/30/2024 - 12/30/2024	SIMAZINE	MONITORING, ROUTINE MINOR	Some, but not all monitoring samples were taken or reported
9/30/2024 - 12/30/2024	LASSO	MONITORING, ROUTINE MINOR	Some, but not all monitoring samples were taken or reported
9/30/2024 - 12/30/2024	DI(2-ETHYLHEXYL) PHTHALATE	MONITORING, ROUTINE MINOR	Some, but not all monitoring samples were taken or reported
9/30/2024 - 12/30/2024	DI(2-ETHYLHEXYL) ADIPATE	MONITORING, ROUTINE MINOR	Some, but not all monitoring samples were taken or reported
9/30/2024 - 12/30/2024	ATRAZINE	MONITORING, ROUTINE MINOR	Some, but not all monitoring samples were taken or reported

DEFICIENCIES

Unresolved significant deficiencies that were identified during a survey done on the water system are shown below.

DATE IDENTIFIED	FACILITY	CODE	ACTIVITY	DUE DATE	DESCRIPTION
11/3/2021	DISTRIBUTION SYSTEM	DS04	SANITARY SURVEY LETTER RESPONSE	12/6/2024	All services are not metered
11/3/2021	DISTRIBUTION SYSTEM	DS04	SANITARY SURVEY CORRECTIVE ACTION/PLAN	10/30/2025	All services are not metered