

## Water System Information

The Highland Waterworks Board of Directors oversees the operation of the Highland Waterworks. The Board of Directors is comprised of five (5) members appointed by the municipal executive (Town Council President) for a term of three (3) years. No more than three (3) may be of the same political party. The Board of Directors meets on the 2nd (study session) and 4th (public meeting) Thursdays of each month at 6:30 p.m. All meetings are open to the public. If you have any questions about the contents of this report, please contact Mr. Mark Knesek at (219) 972-5083 or visit [www.highland.in.gov](http://www.highland.in.gov).

## Sources of Water and Distribution

HWW purchases finished water from the Hammond Waterworks, which has a Lake Michigan (surface water) source. The Indiana Department of Environmental Management (IDEM) will be completing assessments of Lake Michigan source water over the next several years. The Hammond Waterworks delivers water to the Bradley Pump Station ground storage reservoirs located at 8005 Kennedy Avenue. From the Bradley Pump Station, water is distributed throughout the community. The HWW has six (6.0) million gallons of ground storage capacity and one and one-half (1.5) million gallons of elevated storage capacity with a total of seven and one-half (7.5) million gallons of total storage.

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 the 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 at (800) 426-4791.

"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 storm 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, storm water runoff, and residential uses; Organic chemicals, 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;

(D) Radioactive materials, 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 the public health".

## Information Regarding Lead in Drinking Water

There is no safe level of lead in drinking water. Exposure to lead in drinking water can cause serious health effects in all age groups, especially pregnant people, infants, (both formula-fed and breastfed), and young children. Some of the health effects to infants and children include decreases in IQ and attention span. Lead exposure can also result in new or worsened learning and behavior problems. The children of persons who are exposed to lead before or during pregnancy may be at increased risk of these harmful health effects. Adults have increased risks of heart disease, high blood pressure, kidney or nervous system problems. Contact your health care provider for more information about your risks.

## Vulnerable Populations

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 and 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.

## Violation Summary Table

No violations were issued during this CCR year.

**2024 total water pumped: 1,346,270,000**

## Safe Drinking Water Hotline

**1-800-426-4791 [www.EPA.GOV/Safewater](http://www.EPA.GOV/Safewater)**

## Terms and Abbreviations used in the Report

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water.

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health.

**Maximum Residual Disinfectant Level (MRDL):** The highest level of disinfectant allowed in drinking water.

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of drinking water disinfectant below with there is no known or expected risk to health.

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

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

**Av<sub>g</sub> = Average:** Regulatory compliance with some MCLs are based on running annual average of monthly samples.

**LRAA = Locational Running Annual Average**

**Nephelometric Turbidity Unit (NTU):** A measure of the clarity (or cloudiness) of water.

**ppb = Parts Per Billion Parts**

**ppm = Parts per Million Parts**

**ug/l = Micrograms per liter**

**mg/l = Milligrams per liter**

**P\* = Potential violation or one that is likely to occur in the near future**

**na = either not available or not applicable**

**pCi/L = pico curies per liter (a measure of radiation)**

CCR 23; Vol 1

# Highland Waterworks

PWSID#: 5245021

# 2024 Consumer Confidence Report



*Developed by  
the Highland Waterworks*

**Billing Department**

219-972-7589

**Waterworks Superintendent**

219-972-5069

**Waterworks Operations**

219-972-5083

The Highland Waterworks (HWW) is committed to providing the best water quality and services to our customers.

As part of this commitment to you, the customer, we have developed this Consumer Confidence Report (CCR).

This report is intended to provide you with up to date information regarding the quality of your water supply.

In 1996, Congress amended the Safe Drinking Water Act. It added a provision requiring that all community water systems deliver to their customers a brief annual water-quality report.



Town of Highland  
3333 Ridge Road  
Highland, IN 46322-2018

# HIGHLAND WATER WORKS - IN5245021

## REGULATED CONTAMINANTS TABLE

Our water system tested a minimum of 25 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	HighestRAA	Unit	Range	MRDL	MRDLG	Typical Source
CHLORINE	2024	0	ppm	0 – 0.8	4	4	Water additive used to control microbes

### 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	2024	0.17	0.0011 – 0.78	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2024	2.4	0.54 - 490	ppb	15	1	Corrosion of household plumbing systems; Erosion of natural deposits

Disinfection Byproducts	Sample Point	Period	Highest LRAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	9221 JOHNSTON ST.	2024	4	3.8 – 4.5	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	9525 MANOR DRIVE	2024	4	3.4 – 3.7	ppb	60	0	By-product of drinking water disinfection
TTHM	9221 JOHNSTON ST.	2024	24	13.7 – 30.66	ppb	80	0	By-product of drinking water disinfection
TTHM	9525 MANOR DRIVE	2024	21	13.4 – 24.93	ppb	80	0	By-product of drinking water disinfection

### Violations

During the period covered by this report we had the below noted violations.

Violation Period	Analyte	Violation Type	Violation Explanation
No violations during this period.			

# HAMMOND WATER WORKS DEPARTMENT - IN5245020

## REGULATED CONTAMINANTS TABLE

Regulated Contaminants	Collection Date	Water System	Highest Sample Result	Range of Sampled Result(s) (low – high)	Unit	MCL	MCLG	Typical Source
BARIUM	5/7/24	HAMMOND WATER WORKS DEPARTMENT	0.0216	0.0216	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
CYANIDE	5/7/24	HAMMOND WATER WORKS DEPARTMENT	6.2	6.2	ppb	200	200	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories
FLUORIDE	5/7/24	HAMMOND WATER WORKS DEPARTMENT	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	5/7/24	HAMMOND WATER WORKS DEPARTMENT	0.3972	0.3972	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Disinfection Byproducts	Monitoring Period	Water System	Highest LRAA	Range of Sampled Result(s) (low – high)	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	2024	HAMMOND WATER WORKS DEPARTMENT	5	3.8 – 4.8	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	2024	HAMMOND WATER WORKS DEPARTMENT	4	3 – 5.3	ppb	60	0	By-product of drinking water disinfection

# 2024 CONSUMER CONFIDENCE REPORT

To our water customers, the Indiana Department of Environmental Management (IDEM) has directed the Highland Water Works to include regulated contaminants that are tested for in the Hammond water distribution system by the Hammond Water Works. The data was provided by the IDEM.

## WATER QUALITY TABLE FOOTNOTES

- 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.
- None of the samples tested for copper exceeded the current action level of 1.3 ppm.
- None of the samples tested for lead exceeded the current action level of 15.0 ppb.
- 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.

### UCMRS Testing

Our System collected samples under the U.S. EPA Unregulated Contaminants Monitoring Rule (UCMR) for 29 PFAS compounds and Lithium. This monitoring is being conducted so the EPA can receive occurrence data for these compounds to determine what additional compounds may need to be regulated in the drinking water. We collected samples in February 2024, May 2024, August 2024 and November of 2024 and did not detect any of the compounds. If you would like to review our results, contact our office at 219-972-5069.

Link to Town of Highland Lead Inventory  
<https://pws-ptd.120wateraudit.com/Highland-IN>

Highland Waterworks  
PWSID #5245021