

2017 Water Quality Report for Presque Isle Harbor Water Company

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This report covers the drinking water quality for **Presque Isle Harbor Water Company** for calendar year **2017**. This information is a snapshot of the quality of the water that we provided to you in 2017. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and MI State standards. Your water comes from two groundwater wells located on **Kauffman Rd, Presque Isle, MI**. The State performed an assessment of our source water in 2017. Copies of reports are available from Presque Isle Harbor Water Company. Our wells were determined to have moderately low susceptibility to contamination by the MI DEQ. This report contains very important information about your drinking water. Translate it, or speak with someone who understands it. *(Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo ó hable con alguien que lo entienda bien.)*

- **Contaminants and their presence in water:** 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 **EPA's Safe Drinking Water Hotline (800-426-4791)**.
- **Vulnerability of sub-populations:** Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune systems 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).
- **Sources of drinking water:** The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. Our water comes from 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 stormwater runoff, industrial or domestic wastewater discharge, oil and gas production, mining or farming.
 - * **Pesticides and herbicides**, which may come from a variety of sources such as agriculture and residential uses.
 - * **Radio Active contaminants**, which can be naturally occurring or be the result of oil and gas production and mining activities.
 - * **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.

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 regulations establish limits for contaminants in bottled water which provide the same protection for public health. 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 service lines and home plumbing. Presque Isle Harbor Water Company 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 water for drinking or cooking. If you are concerned about lead in your drinking water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps to minimize exposure is available from Safe Drinking Water Hotline 1-800-426-4791 or at (<http://water.epa.gov/drink/info/lead/index.cfm>).

Water Quality Data

The table below lists all the drinking water contaminants that we detected during the 2017 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 – December 31, 2017. The State allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. All of the data is representative of the water quality, but some are more than one year old.

Terms and abbreviations used below:

- Maximum Contaminant Level Goal (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 Contaminant Level (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 Residual Disinfectant Level (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.
- Maximum Residual Disinfectant Level Goal (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.
- N/A: not applicable ND: not detectable at testing limit ppb: parts per billion or micrograms per liter ppm: parts per million or milligrams per liter pCi/l: picocuries per liter (a measure of radioactivity). RAA: Running Annual Average
- Action Level (AL): Concentration of a contaminant which, if exceeded, triggers treatment or other requirements a water system must follow.

Samples Collected at the Well House:

Regulated Inorganic Contaminants	MCL	MCLG	Our Water	Sample Date	Violation Yes / No	Typical Source of Contaminants
Arsenic (ppb)	10	0	Not Detected	05/25/2011	No	Erosion of natural deposits, runoff.
Nitrate (ppm)	10	0.4	Not Detected	09/11/2017	No	Erosion of natural deposits
Nitrite (ppm)	1	0.05	Not Detected	09/11/2017	No	Erosion of natural deposits
Fluoride (ppm)	4.0	0.1	1.1	09/11/2017	No	Erosion of natural deposits
Barium (ppm)	2	0.01	0.03	05/25/2011	No	Erosion of natural deposits, discharge.

Chemical Contaminants	MCL	MCLG	Our Water	Sample Date	Violation Yes / No	Typical Source of Contaminants
Pesticides (ppm)	0.005	0.001	Not Detected	04/10/2014	No	Pesticide runoff.
Herbicides (ppm)	0.07	0.001	Not Detected	04/10/2014	No	Herbicide runoff.
Carbamates (ppm)	0.2	0.0005	Not Detected	04/14/2014	No	Insecticide runoff.

Radionuclides	MCL	MCLG	Our Water	Sample Date	Violation Yes / No	Typical Source of Contaminants
Radium-226 (pCi/l)	2.5	0	Not Detected	09/08/2015	No	Erosion of natural deposits, runoff.
Radium-228 (pCi/l)	2.5	0	Not Detected	09/08/2015	No	Erosion of natural deposits, runoff.
Gross Alpha (pCi/l)	15	15 pCi/l	2.85	07/09/2012	No	Erosion of natural deposits, runoff.

Unregulated Chemical Contaminants ¹	Our Water	Sample Date	Violation Yes / No	Typical Source of Contaminants
Sodium (ppm)	32	09/11/2017	N/A	Erosion of natural deposits, runoff.
Sulfate (ppm)	61	09/11/2017	N/A	Erosion of natural deposits, runoff.
Chloride (ppm)	32	09/11/2017	N/A	Erosion of natural deposits, runoff.
Iron (ppm)	0.3	09/11/2017	N/A	Erosion of natural deposits, runoff.

¹ Unregulated contaminants are those for which EPA has not established drinking water standards. Monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.

2015 hardness as CaCO₃ tested 300 mg/L.

Samples Collected in the Distribution System:

Contaminants Subject to an Action Level	Action Level	Our Water	Sample Date	Number of Samples Above AL	Typical Source of Contaminants
Lead (ppb) ²	AL =15 ppb	1.0 ppb 90 th percentile	09/15/2015	None	Corrosion of household plumbing systems; Erosion of natural deposits
Copper (ppb) ²	AL=1300 ppb	55 ppb 90 th percentile	09/15/2015	None	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives

² 90 percent of the samples collected were at or below the level reported for our water.

Microbial Contaminants	MCL	MCLG	Positive Samples	Violation Yes / No	Typical Source of Contaminants
Total Coliform Bacteria	1 positive monthly sample (5% of monthly samples positive)	0	None	No	Naturally present in the environment
Fecal Coliform and <i>E. coli</i>	Routine and repeat samples are total coliform positive, and one is also fecal or <i>E. coli</i> positive	0	None	No	Human and animal fecal waste

Monitoring and Reporting Requirements: The State and USEPA requires us to test our water on a regular basis to ensure its safety. Presque Isle Harbor Water Company met all monitoring and reporting requirements for 2017. We will update this report annually and will keep you informed of any problems that may occur through the year as they happen. For more information about your water, or the contents of this report, contact Presque Isle Harbor Water Company at (570) 488-5222. For more information about safe drinking water, visit the USEPA at www.epa.gov/safewater/.

You may also contact the water company via email at chad@pihwtr.com. Thank you and have a great day.