

Hastings 2025 Drinking Water Report

Making Safe Drinking Water

Your drinking water comes from a groundwater source: six wells ranging from 280 to 400 feet deep, that draw water from the Jordan aquifer.

Hastings works hard to provide you with safe and reliable drinking water that meets federal and state water quality requirements. The purpose of this report is to provide you with information on your drinking water and how to protect our precious water resources.

Contact Hastings Public Works at (651) 480-6185, if you have questions about Hastings' drinking water. You can also ask for information about how you can take part in decisions that may affect water quality.

The U.S. Environmental Protection Agency sets safe drinking water standards. These standards limit the amounts of specific contaminants allowed in drinking water. This ensures that tap water is safe to drink for most people. The U.S. Food and Drug Administration regulates the amount of certain contaminants in bottled water. Bottled water must provide the same public health protection as public tap 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 mean that water poses a health risk. More information about contaminants and potential health effects can be obtained by visiting the website [epa.gov/safewater](https://www.epa.gov/safewater).

Hastings Monitoring Results

This report contains our monitoring results from January 1 to December 31, 2025.

We work with the Minnesota Department of Health to test drinking water for more than 100 contaminants. It is not unusual to detect contaminants in small amounts. No water supply is ever completely free of contaminants. Drinking water standards protect Minnesotans from substances that may be harmful to their health.

Learn more by visiting the Minnesota Department of Health's webpage [Basics of Monitoring and testing of Drinking Water in Minnesota](https://www.health.state.mn.us/communities/environment/water/factsheet/sampling.html) (<https://www.health.state.mn.us/communities/environment/water/factsheet/sampling.html>).

How to Read the Water Quality Data Tables

The tables below show the contaminants we found last year or the most recent time we sampled for that contaminant. They also show the levels of those contaminants and the Environmental Protection Agency's limits. Substances that we tested for but did not find are not included in the tables.

We sample for some contaminants less than once a year because their levels in water are not expected to change from year to year. If we found any of these contaminants the last time we sampled for them, we included them in the tables below with the detection date.

We may have done additional monitoring for contaminants that are not included in the Safe Drinking Water Act. To request a copy of these results, call the Minnesota Department of Health at 651-201-4700 between 8:00 a.m. and 4:30 p.m., Monday through Friday.

Definitions

- **AL (Action Level):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- **Contaminant:** Any physical, chemical, biological, or radiological substance or matter in water.
- **EPA:** Environmental Protection Agency
- **MCL (Maximum contaminant level):** 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 disinfectant 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.
- **N/A (Not applicable):** Does not apply.
- **ppb (parts per billion):** One part per billion in water is like one drop in one billion drops of water, or about one drop in a swimming pool. ppb is the same as micrograms per liter ($\mu\text{g}/\text{l}$).
- **ppm (parts per million):** One part per million is like one drop in one million drops of water, or about one cup in a swimming pool. ppm is the same as milligrams per liter (mg/l).
- **ppt (parts per trillion):** One part per trillion is like one drop in one trillion drops of water, or about one drop in 20 Olympic sized swimming pools. ppt is the same as nanograms per liter (ng/l).
- **PWSID:** Public water system identification.
- **TBD (To be determined):** Determined at a later date.

Monitoring Results – Regulated Substances

LEAD AND COPPER – Tested at customer taps.

Contaminant (Date, if sampled in previous year)	EPA's Ideal Goal (MCLG)	EPA's Action Level	90% of Results Were Less Than	Number of Homes with High Levels	Range of Detected Test Results	Violation	Typical Sources
Lead (10/17/24)	0 ppb	90% of homes less than 15 ppb	2.61 ppb	0 out of 30	0 - 11.4 ppb	NO	Corrosion of household plumbing.
Copper (10/17/24)	1.3 ppm	90% of homes less than 1.3 ppm	0.19 ppm	0 out of 30	0.04 - 0.31 ppm	NO	Corrosion of household plumbing.

INORGANIC & ORGANIC CONTAMINANTS – Tested in drinking water.

Contaminant (Date, if sampled in previous year)	EPA's Ideal Goal (MCLG)	EPA's Limit (MCL)	Highest Average or Highest Single Test Result	Range of Detected Test Results	Violation	Typical Sources
Nitrate	10 ppm	10 ppm	8.8 ppm	4.30 - 8.80 ppm	NO	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Barium (03/08/22)	2 ppm	2 ppm	0.05 ppm	N/A	NO	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposit.

Potential Health Effects and Corrective Actions (If Applicable)

Nitrate: Even though Hastings meets the EPA nitrate drinking water standard, also known as a Maximum Contaminant Level (MCL), if you are caring for an infant and using tap water to prepare formula, you may want to use alternate sources of water or ask for advice from your health care provider. Nitrate levels above 10 ppm pose a particularly high health concern for infants under 6 months of age and can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness. Symptoms of serious illness include shortness of

breath and blueness of the skin, known as "blue baby syndrome." Nitrate levels in drinking water can increase for short periods of time due to high levels of rainfall or agricultural activity, therefore we test for nitrate quarterly (four times a year). The highest level for nitrate found during 2025 was 8.8.

CONTAMINANTS RELATED TO DISINFECTION – Tested in drinking water.						
Substance (Date, if sampled in previous year)	EPA’s Ideal Goal (MCLG or MRDLG)	EPA’s Limit (MCL or MRDL)	Highest Average or Highest Single Test Result	Range of Detected Test Results	Violation	Typical Sources
Total Trihalomethanes (TTHMs)	N/A	80 ppb	53 ppb	9.50 - 53.00 ppb	NO	By-product of drinking water disinfection.
Total Haloacetic Acids (HAA)	N/A	60 ppb	3.2 ppb	1.00 - 3.20 ppb	NO	By-product of drinking water disinfection.
Total Chlorine	4.0 ppm	4.0 ppm	0.51 ppm	0.41 - 0.60 ppm	NO	Water additive used to control microbes.

Total HAA refers to HAA5

OTHER SUBSTANCES – Tested in drinking water.						
Substance (Date, if sampled in previous year)	EPA’s Ideal Goal (MCLG)	EPA’s Limit (MCL)	Highest Average or Highest Single Test Result	Range of Detected Test Results	Violation	Typical Sources
Fluoride	4.0 ppm	4.0 ppm	0.68 ppm	0.65 - 0.74 ppm	NO	Erosion of natural deposits; Water additive to promote strong teeth.

Potential Health Effects and Corrective Actions (If Applicable)

Fluoride: Fluoride is nature's cavity fighter, with small amounts present naturally in many drinking water sources. There is an overwhelming weight of credible, peer-reviewed, scientific evidence that fluoridation reduces tooth decay and cavities in children and adults, even when there is availability of fluoride from other sources, such as fluoride toothpaste and mouth rinses. Since studies show that optimal fluoride levels in drinking water benefit public health, municipal community water systems adjust the level of fluoride in the water to an optimal concentration between 0.5 to 0.9 parts per million (ppm) to protect your teeth.

Fluoride levels below 2.0 ppm are not expected to increase the risk of a cosmetic condition known as enamel fluorosis.

PFAS (Per- and Polyfluoroalkyl Substances)						
Contaminant (with year, if sampled outside current year)	EPA's Ideal Goal (MCLG)	EPA's Limit (MCL)	Highest Average or Highest Single Test Result	Range of Detected Test Results	Violation	Typical Sources
Perfluorooctanesulfonate (PFOS)	0 ppt	4.0 ppt	3.9 ppt	0 - 4.5 ppt	TBD in Future	Discharge from manufacturing and industrial chemical facilities, use of certain consumer products, occupational exposures, and certain firefighting activities.
Perfluorooctanoic acid (PFOA)	0 ppt	4.0 ppt	18 ppt	3.9 - 18 ppt	TBD in Future	Discharge from manufacturing and industrial chemical facilities, use of certain consumer products, occupational exposures, and certain firefighting activities.

Potential Health Effects and Corrective Actions (If Applicable)

PFAS: Hastings is currently constructing the Central Water Treatment Plant. Ultimately, three water treatment plants (WTP) are required for the removal of PFAS from the entire water system.

Perfluorooctanoic acid (PFOA): Some people who drink water containing PFOA in excess of the MCL over many years may have increased health risks such as cardiovascular, immune, and liver effects, as well as increased incidence of certain types of cancers including kidney and testicular cancer. In addition, there

may be increased risks of developmental and immune effects for people who drink water containing PFOA in excess of the MCL following repeated exposure during pregnancy and/or childhood.

Additional information specific to PFAS updates in Hastings is available on the city website:

<https://www.hastingsmn.gov/home-living/pfas-and-drinking-water/>

Monitoring Results – Unregulated Substances/Emerging Contaminants

In addition to testing drinking water for contaminants regulated under the Safe Drinking Water Act, we sometimes also monitor for contaminants that are not regulated. Unregulated contaminants do not have legal limits for drinking water. MDH, EPA, and other health agencies may have developed comparison values for some of these compounds. Some of these comparison values are based solely on potential health impacts and do not consider our ability to measure contaminants at very low concentrations nor the cost and technology of prevention and/or treatment. These values may be set at levels that are costly, challenging, or impractical for a water system to meet (for example, large-scale treatment technology may not exist for a given contaminant). Sample data are listed along with comparison values in the table below; it is important to note that these comparison values are not enforceable.

Detection alone of a regulated or unregulated contaminant should not cause concern. The significance of a detection should be determined considering current health effects information. We are often still learning about the health effects, so this information can change over time.

A person drinking water with a contaminant at or below the comparison value would be at little to no risk for harmful health effects. If the level of a contaminant is above the comparison value, people of a certain age or with special health conditions—like a fetus, infants, children, elderly, and people with impaired immunity—may need to take extra precautions. We are notifying you of the unregulated/emerging contaminants we have detected as a public education opportunity.

Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether the Agency should consider regulating those contaminants in the future.

- More information is available on [MDH's A-Z List of Contaminants in Water](https://www.health.state.mn.us/communities/environment/water/contaminants/index.html) (<https://www.health.state.mn.us/communities/environment/water/contaminants/index.html>)
- [Fourth Unregulated Contaminant Monitoring Rule \(UCMR 4\)](https://www.health.state.mn.us/communities/environment/water/com/ucmr4.html) (<https://www.health.state.mn.us/communities/environment/water/com/ucmr4.html>)
- [Fifth Unregulated Contaminant Monitoring Rule](https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule) (<https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule>)
- EPA has developed a [UCMR5 Program Overview Factsheet](https://www.epa.gov/system/files/documents/2022-02/ucmr5-factsheet.pdf) (<https://www.epa.gov/system/files/documents/2022-02/ucmr5-factsheet.pdf>) describing UCMR 5 contaminants and standards.

In the past year, your drinking water may have tested for additional unregulated contaminants as part of the [Fifth Unregulated Contaminant Monitoring Rule](https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule) (<https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule>) and results are still being processed. The Unregulated Contaminant Monitoring Rule 5 (UCMR 5) Data finder allows people to easily search for, summarize, and download the available [UCMR 5 analytical results](https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule-data-finder) (<https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule-data-finder>).

UNREGULATED/EMERGING CONTAMINANTS – Tested in drinking water.

Contaminant	Comparison Value	Highest Average Result or Highest Single Test Result	Range of Detected Test Results
Sodium*	20 ppm	17.6 ppm	6.73 - 17.60 ppm
Sulfate	500 ppm	50.9 ppm	25.50 - 50.90 ppm
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS) (2022)	N/A	0.07 ppt	0.00 - 0.13 ppt
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FtS) (2024)	N/A	0.17 ppt	0.00 - 0.87 ppt
Perfluoro-3-methoxypropanoic acid (FPMPA)	N/A	1.1 ppt	0.00 - 2.00 ppt
Perfluoro-4-methoxybutanoic acid (PFMBA) (2022)	N/A	0.1 ppt	0.00 - 0.20 ppt
Perfluorobutanesulfonate (PFBS)	100 ppt	2.56 ppt	0.00 - 3.20 ppt
Perfluorobutanoic acid (PFBA)	7000 ppt	323.33 ppt	130.00 - 380.00 ppt
Perfluoroheptanoic acid (PFHpA)	N/A	1.97 ppt	0.00 - 2.40 ppt
Perfluorohexanesulfonate (PFHxS)	47 ppt	2.71 ppt	0.97 - 3.30 ppt
Perfluorohexanoic acid (PFHxA)	200 ppt	7.17 ppt	2.61 - 8.70 ppt
Perfluoropentanoic acid (PFPeA)	N/A	16.77 ppt	7.80 - 20.00 ppt
Perfluoropentasulfonate (PFPeS)	N/A	0.39 ppt	0.00 - 0.62 ppt

*Note that home water softening can increase the level of sodium in your water.

In early 2024, MDH released new comparison values for two PFAS compounds, PFOA and PFOS. Additionally, EPA released final MCLs for PFAS on April 10th, 2024 but has announced intent to make changes to this rule. Additional information on PFAS system results may also be available in the PFAS MCL section of this report.

Some People Are More Vulnerable to Contaminants in Drinking Water

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 on [EPA's website epa.gov/safewater](https://www.epa.gov/safewater).

Service Line Material Inventory

Hastings has completed and submitted our service line materials inventory to the Minnesota Department of Health. The service line inventory is publicly available, and you can check the materials for your service line by visiting the [Lead Inventory Tracking Tool \(LITT\) \(https://maps.umn.edu/LSL/\)](https://maps.umn.edu/LSL/). You may also contact us at Hastings Public Works 651.480.6185. The City of Hastings reviewed as-built records to confirm service materials in right-of-way and easement areas. The city also conducted inventory through self reporting, inspections, and information provided by the meter replacement program. As of 10/29/2025, our inventory contains 2 lead, 145 galvanized requiring replacement, 970 unknown material, and 6137 non-lead service lines.

Learn More about Your Drinking Water

Drinking Water Sources

Groundwater supplies 75 percent of Minnesota's drinking water, and found in aquifers beneath the surface of the land. Surface water supplies 25 percent of Minnesota's drinking water, and is the water in lakes, rivers, and streams above the surface of the land.

Contaminants can get in drinking water sources from the natural environment and from people's daily activities. There are six main types of contaminants in drinking water sources.

- **Microbial contaminants**, such as viruses, bacteria, and parasites. Sources include sewage treatment plants, septic systems, agricultural livestock operations, pets, and wildlife.
- **Inorganic contaminants** include salts and metals from natural sources (e.g. rock and soil), oil and gas production, mining and farming operations, urban stormwater runoff, and wastewater discharges.
- **Pesticide:** Generally, any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest.

- **Herbicide:** Any chemical(s) used to control undesirable vegetation.
- **Organic chemical contaminants** include synthetic and volatile organic compounds. Sources include industrial processes and petroleum production, gas stations, urban stormwater runoff, and septic systems.
- **Radioactive contaminants** such as radium, thorium, and uranium isotopes come from natural sources (e.g. radon gas from soils and rock), mining operations, and oil and gas production.

The Minnesota Department of Health provides information about your drinking water source(s) in a source water assessment, including:

- How Hastings is protecting your drinking water source(s);
- Nearby threats to your drinking water sources;
- How easily water and pollution can move from the surface of the land into drinking water sources, based on natural geology and the way wells are constructed.

Find your source water assessment at [Source Water Assessments \(https://www.health.state.mn.us/communities/environment/water/swp/swa.html\)](https://www.health.state.mn.us/communities/environment/water/swp/swa.html) or call 651-201-4700 between 8:00 a.m. and 4:30 p.m., Monday through Friday.

Lead in Drinking Water

Lead can cause serious health problems, babies, children under six years, and pregnant women are at the highest risk. You may be in contact with lead through paint, water, dust, soil, food, hobbies, or your job. There is no safe level of lead.

Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water and removing lead pipes from service lines but cannot control the variety of materials used in plumbing components in your home. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk.

Read below to learn how you can protect yourself from lead in drinking water.

1. **Let the water run** before drinking tap water flush your pipes for several minutes by running your tap. If you have a lead service line, you may need to let the water run longer. A service line is the underground pipe that brings water from the main water pipe under the street to your home.
 - Activities such as taking a shower, doing laundry or dishes help keep water moving in your home system but are not a replacement for running the tap before you drink if it has not been used for a long period of time.
 - The only way to know if lead has been reduced by letting it run is to check with a test. If letting the water run does not reduce lead, consider other options to reduce your exposure.
2. **Know your service line materials by** contacting your public water system, or you can search for your address online at the [Minnesota Lead Inventory Tracking Tool \(https://maps.umn.edu/LSL/\)](https://maps.umn.edu/LSL/).
 - [Protect Your Tap: A quick check for lead \(https://www.epa.gov/ground-water-and-drinking-water/protect-your-tap-quick-check-lead\)](https://www.epa.gov/ground-water-and-drinking-water/protect-your-tap-quick-check-lead) is EPA's step by step guide to learn how to find lead pipes in your home.

3. **Use cold water** for drinking, making food, and making baby formula. Hot water releases more lead from pipes than cold water.
4. **Test your water.** In most cases, letting the water run and using cold water for drinking and cooking should keep lead levels low in your drinking water. If you are still concerned about lead, arrange with a laboratory to test your tap water. Testing your water is important if young children or pregnant women drink your tap water.
 - Contact a Minnesota Department of Health accredited laboratory to purchase a sample container and instructions on how to submit a sample:
[Environmental Laboratory Accreditation Program](https://eldo.web.health.state.mn.us/public/accreditedlabs/labsearch.seam)
 [\(https://eldo.web.health.state.mn.us/public/accreditedlabs/labsearch.seam\)](https://eldo.web.health.state.mn.us/public/accreditedlabs/labsearch.seam)
 The Minnesota Department of Health can help you understand your test results.
5. **Treat your water** if a test shows your water has high levels of lead after you let the water run. You can use a filter certified with ANSI/NSF standards 53 and 42 for lead reduction.
 - Read about water treatment units:
[Point-of-Use Water Treatment Units for Lead Reduction](https://www.health.state.mn.us/communities/environment/water/factsheet/poulead.html)
 [\(https://www.health.state.mn.us/communities/environment/water/factsheet/poulead.html\)](https://www.health.state.mn.us/communities/environment/water/factsheet/poulead.html)

Information on lead in drinking water, testing methods, and other steps you can take to minimize exposure are available at:

 - Visit EPA [Basic Information about Lead in Drinking Water](http://www.epa.gov/safewater/lead) (<http://www.epa.gov/safewater/lead>)
 - Visit the Minnesota department of Health [Lead in Drinking Water](https://www.health.state.mn.us/communities/environment/water/contaminants/lead.html) (<https://www.health.state.mn.us/communities/environment/water/contaminants/lead.html>)
 - To learn about how to reduce your contact with lead from sources other than your drinking water, visit [Lead Poisoning Prevention: Common Sources](https://www.health.state.mn.us/communities/environment/lead/fs/common.html) (<https://www.health.state.mn.us/communities/environment/lead/fs/common.html>)
6. **Be Aware:** Head Start Programs, Child Care Centers, Public and Charter Schools all have requirements to test for lead in drinking water. These programs can learn more about requirements and resources for testing and remediation at [MDH Drinking Water in Schools and Child Cares](https://www.web.health.state.mn.us/communities/environment/water/schools/index.html) (<https://www.web.health.state.mn.us/communities/environment/water/schools/index.html>)

Home Water Treatment

Overview

Most Minnesotans, whether they drink from a public water supply or a private well, have drinking water that does not need treatment for health protection. Water treatment units are best for improving the physical qualities of water—the taste, color, or odor.

No single treatment process can remove all substances in water. If you decide to install a home water treatment unit, choose a unit certified and labeled to reduce or remove the substance of concern. If there is more than one substance you want to remove from your water, you may need to combine several treatment processes into one system.

Even well-designed treatments systems can fail. You should continue to test your drinking water after you install a treatment unit. All home water treatment units need regular maintenance to work correctly. Regular maintenance may include changing filters, disinfecting the unit, or cleaning scale buildup. Always install, clean, and maintain a treatment unit according to the manufacturer's recommendations.

Beware of Water Treatment Scams

False claims, deceptive sales pitches, or scare tactics have been used by some water treatment companies. Every person has a right to decide what is best for themselves and their family, and you may choose to install additional water treatment to further lower the levels of contaminants of emerging concern, chlorine, and other chemicals in your water. However, you should be cautious about purchasing a water treatment system.

Service Line Replacement

As a result of recent state and federal funding opportunities, the replacement of the portion of the lead service line owned by the property owner may be completed at no cost to the owner. All funding will pass through Hastings as certain state and federal construction requirements must be met to be eligible for these funds.

The city plans to break down the replacements into three phases spread over three years. The city has submitted grant funding applications for all three phases and plans to start phase 1 in summer of 2026. Properties not included in phase 1 will be considered in subsequent phases as funding becomes available.

The properties that are proposed to be replaced in phase 1 were selected using Minnesota Department of Health priority criteria based on community census data and the citywide service line inventory.

Property owners will be directly contacted with information about the process, required consent forms, and anticipated construction schedule in the spring before their replacement is completed. Typical replacement would only include temporary water service shutoff and in most cases, water service will be restored on the same day. Restoration of indoor and outdoor spaces will be completed after construction.

For more information see our project website: [Lead Service Line Replacement Program | City of Hastings](#)