

**Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.**

**Claim ntawv tshaabzu nuav muaj lug tseemceeb heev nyob rua huv kws has txug cov dlej mej haus. Kuas ib tug paab txhais rua koj, los nrug ib tug kws paub lug thaam.**

**Water System Information**

If you would like to know more about the information contained in this report, please contact Brian Ledin at (715) 682-7061.

**Opportunity for input on decisions affecting your water quality**

The City of Ashland City Council meets every 2nd and 4th Tuesday of every month at City Hall.

**Health Information**

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).

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 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 Environmental Protection Agency's safe drinking water hotline (800-426-4791).

**Source(s) of Water**

Source ID	Source	Depth (in feet)	Waterbody Name	Status
1	Surface Water		LAKE SUPERIOR	Active

To obtain a summary of the source water assessment please contact, Brian Ledin at (715) 682-7061.

**Educational Information**

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:

- 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 that tap water is safe to drink, 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, which shall provide the same protection for public health.

## Definitions

Term	Definition
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
HAL	Health Advisory Level: The concentration of a contaminant which, if exceeded, poses a health risk and may require a system to post a public notice.
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 very detailed study of the water system to identify potential problems and determine, if possible, why an E. coli MCL violation has occurred or why total coliform bacteria have been found in our water system, or both, on multiple occasions.
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.
MFL	million fibers per liter
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.
mrem/year	millirems per year (a measure of radiation absorbed by the body)
NTU	Nephelometric Turbidity Units
pCi/l	picocuries per liter (a measure of radioactivity)
ppm	parts per million, or milligrams per liter (mg/l)
ppb	parts per billion, or micrograms per liter (ug/l)
ppt	parts per trillion, or nanograms per liter
ppq	parts per quadrillion, or picograms per liter
SMCL	Secondary drinking water standards or Secondary Maximum Contaminant Levels for contaminants that affect taste, odor, or appearance of the drinking water. The SMCLs do not represent health standards.
TCR	Total Coliform Rule
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

## Detected Contaminants

Your water was tested for many contaminants last year. We are allowed to monitor for some contaminants less frequently than once a year. The following tables list only those contaminants which were detected in your water. If a contaminant was detected last year, it will appear in the following tables without a sample date. If the contaminant was not monitored last year, but was detected within the last 5 years, it will appear in the tables below along with the sample date.

## Disinfection Byproducts

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2021)	Violation	Typical Source of Contaminant
HAA5 (ppb)	#10	60	60	46	16 - 95		No	By-product of drinking water chlorination
TTHM (ppb)	#10	80	0	63.0	22.7 - 115.9		Yes, Ongoing	By-product of drinking water chlorination
HAA5 (ppb)	DIST 1	60	60	39	17 - 31		No	By-product of drinking water chlorination
TTHM (ppb)	DIST 1	80	0	55.2	20.0 - 58.8		Yes, Ongoing	By-product of drinking water chlorination

### Inorganic Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2021)	Violation	Typical Source of Contaminant
BARIUM (ppm)		2	2	0.011	0.011		No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
FLUORIDE (ppm)		4	4	0.2	0.2		No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
MERCURY (ppb)		2	2	0.0	0.0		No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
NITRATE (N03-N) (ppm)		10	10	0.25	0.25		No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
SODIUM (ppm)		n/a	n/a	3.50	3.50		No	n/a

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	# of Results	Sample Date (if prior to 2021)	Violation	Typical Source of Contaminant
COPPER (ppm)	AL=1.3	1.3	0.1900	0 of 40 results were above the action level.		No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD (ppb)	AL=15	0	7.60	0 of 40 results were above the action level.		No	Corrosion of household plumbing systems; Erosion of natural deposits

### Radioactive Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2021)	Violation	Typical Source of Contaminant
GROSS ALPHA, EXCL. R & U (pCi/l)		15	0	0.6	0.6	5/12/2020	No	Erosion of natural deposits

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2021)	Violation	Typical Source of Contaminant
RADIUM, (226 + 228) (pCi/l)		5	0	0.9	0.9	5/12/2020	No	Erosion of natural deposits

### Synthetic Organic Contaminants including Pesticides and Herbicides

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2021)	Violation	Typical Source of Contaminant
ATRAZINE (ppb)		3	3	0.0	0.0 - 0.0	5/12/2020	No	Runoff from herbicide used on row crops
HEXACHLOROCYCLOPENTADIENE (ppb)		50	50	0.1	0.0 - 0.1	5/12/2020	No	Discharge from chemical factories

### Contaminants with a Health Advisory Level or a Secondary Maximum Contaminant Level

The following tables list contaminants which were detected in your water and that have either a Health Advisory Level (HAL) or a Secondary Maximum Contaminant Level (SMCL), or both. There are no violations for detections of contaminants that exceed Health Advisory Levels, Groundwater Standards or Secondary Maximum Contaminant Levels. Secondary Maximum Contaminant Levels are levels that do not present health concerns but may pose aesthetic problems such as objectionable taste, odor, or color. Health Advisory Levels are levels at which concentrations of the contaminant present a health risk.

Contaminant (units)	Site	SMCL (ppm)	HAL (ppm)	Level Found	Range	Sample Date (if prior to 2021)	Typical Source of Contaminant
ALUMINUM (ppm)		0.05	0.2	0.01	0.00 - 0.01	10/22/2018	Runoff/leaching from natural deposits
CHLORIDE (ppm)		250		6.20	5.10 - 6.20	10/22/2018	Runoff/leaching from natural deposits, road salt, water softeners
IRON (ppm)		0.3		0.01	0.00 - 0.01	2/8/2018	Runoff/leaching from natural deposits, industrial wastes
MANGANESE (ppm)		0.05	0.3	0.00	0.00 - 0.00	2/8/2018	Leaching from natural deposits
SULFATE (ppm)		250		4.60	3.90 - 4.60	2/14/2018	Runoff/leaching from natural deposits, industrial wastes

### Health effects for any contaminants with MCL violations/Action Level Exceedances/SMCL exceedances/HAL exceedances

#### Contaminant Health Effects

TTHM Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

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#### Additional Health Information

Some people who drink water containing **trihalomethanes** in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

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. Ashland Water Utility 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 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 or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

### Corrective Actions Taken

Actions taken to correct the TTHM were a complete system flush completed during our Hydrant exercise program. We have also awarded a contract to have mixers installed in the tower and standpipe, with a tentative completion date July 2022.

### Other Compliance

### Monitoring Violations

Description	Contaminant Group	Sample Location	Compliance Period Beginning	Compliance Period Ending
Chem M/R - Reg - No Regular samples	Inorganic Contaminants	81	1/1/2021	9/30/2021
Chem M/R - Reg - No Regular samples	Volatile Organic Contaminants	81	1/1/2021	9/30/2021

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During the compliance period noted in the above table, we did not complete all monitoring or testing for the contaminant(s) noted, and therefore cannot be sure of the quality of your drinking water during that time.

### Actions Taken

The distribution map is currently being updated and will be sent to Aryn Webster once the latest version is completed. Both the Cross Connection and Private Well abandonment ordinances have been updated and await council approval.

### Lead Consumer Notice

During the year, we failed to provide lead results to persons served at the sites that were tested as required by the Lead and Copper Rule.

### Uncorrected Significant Deficiencies

Deficiency Description and Progress to Date	Date System Notified	Scheduled Correction Date
A current, adequate, distribution system map is not available or a copy of the map is not on file with the Department.	7/16/2021	6/1/2022
Past inspection deficiencies have not been corrected as required.	7/16/2021	6/1/2022
System is not implementing a comprehensive Private Well Abandonment / Permitting Program.	7/16/2021	5/1/2022

Deficiency Description and Progress to Date	Date System Notified	Scheduled Correction Date
System is not implementing a comprehensive Cross-Connection Control Program.	7/16/2021	6/1/2022

**Actions Taken**

We have not been able to make contact with proper authorities on this matter. A letter is currently be drafted to be sent to all parties involved stating that if they do not make contact with us on this matter, corrective actions will follow. This letter will be sent out by end of June and further planning will follow.

**Turbidity Monitoring**

In accordance with s. NR 810.29, Wisconsin Administrative Code, the treated surface water is monitored for turbidity to confirm that the filtered water is less than 0.1 NTU/0.3NTU. Turbidity is a measure of the cloudiness of water. We monitor for it because it is a good indicator of the effectiveness of our filtration system. During the year, the highest single entry point turbidity measurement was [VALUE] NTU. The lowest monthly percentage of samples meeting the turbidity limits was [VALUE] percent. [Systems with water from membrane filtration plants do not need to include the last sentence]

**THE 2021 WATER QUALITY DRINKING REPORT IS AVAILABLE UPON REQUEST BY CALLING THE PUBLIC WORKS DEPARTMENT AT 715-682-7061, OR, YOU MAY VISITY THE CITY OF ASHLAND WEBSITE.**