



2022 Annual Drinking Water Quality Report



Town of Hysham MT0000428

Annual Water Quality Report for the period of January 1 to December 31, 2022

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.

For more information regarding this report please contact Roy Long at (406)342-5544.

Public Participation Opportunities: Council Meetings held on the second Wednesday of the month at 5:30 at the City Hall

Sources of Drinking 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 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.

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 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 that tap water is safe to drink, EPA prescribes regulations that limit the number of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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 healthcare 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).

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. We are responsible for providing high-quality drinking water, but we 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 are available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Source Water Information for Town of Hysham

which is classified as a *Surface Water* system

The source water assessment report for your water system provides additional information on your source water's susceptibility to contamination. To access this report please go to:

<https://deq.mt.gov/water/Programs/dw-sourcewater>

On the webpage look under "4. Make Results of the Delineation and Assessment Available to the Public" and then click on the grey box called "Review Source Water Assessment Reports".

Town of Hysham utilizes the listed water sources below:

Water Source Name	Water Source Type
INFILTRATION GALLERY INTAKE	Infiltration Gallery

Areas of Concern and Steps Taken to Improve

2022 was a difficult and challenging year for the Water Plant and the Town. There was very quick turnover and as such there were issues with treatment. Through the course of the year multiple problems occurred at the treatment plant that contributed to some of the violations within this report. A large quantity of the violations pertain to monitoring periods that began in 2020. At that time there was a transition of operators from the old operator to the new operator. That these violations date back so far and continue through 2022, I can only come to the conclusion that the training of the new operator was not up to the standards it should have been. And unfortunately, when the new operator left and his replacement took over a year later the training was once again inadequate. This created the continued issues that occurred through 2022. Proper training could have helped with avoiding or at least proper knowledge in how to deal with the situations that have occurred. Training is now a major focus at the plant and there are training sessions on a daily basis. This will help to keep the operation of the plant fluid from operator to operator.

A large contributing factor to the problems that occurred in 2022 besides training was maintenance. There were multiple problems at the plant that came down to a proper lack of maintenance. Some of the items failed due to age and not addressing them before they gave out. Some of the problems that I have seen is honestly the lack of proper maintenance or indifference to the issues. There were multiple items and issues in the plant that were not serviced or replaced. There were parts that were constantly ordered in excess of what should have been needed to change out because buying new was put before rebuilding or tracing the issue. This is an unacceptable practice and one that has been addressed in order to wisely utilize our funding year in and year out. New equipment has been put into service and other new items and equipment is on order or is

being researched to make sure that it will perform the way it should in our plant. We are building towards having redundancy in the plant so that everything functions together and that we get the length of performance out of the equipment we should.

There were occurrences during 2022 where the water tower ran low and water pressure in town was lost momentarily. Loss of system pressure even for a short amount of time may allow contaminants to enter the distribution system. After the loss of pressure there was a rush to refill the water in the tank and unfortunately a filter was run that should not have been run. There was a huge concern about proper filtration and disinfection at that time which unfortunately started us on the path we are now on. To resolve these issues, we are rebuilding Filter 2 to as new condition. The disinfection and treatment are monitored daily and adjusted as necessary to meet the needs. The disinfection process is working well and chlorine residual in town is above DEQ minimums by a proper amount. Treatment for manganese is an item that has been well addressed. The concentration of manganese in the treated water at the treatment plant and in the distribution system are being regularly monitored in order to continually improve treatment. The treatment plant is heading in the right direction and will have the consistency and maintenance it's needed. We will continue to build and improve the plant to keep up with the standards of DEQ and the community.

Water Quality Test Results Definitions

Definitions: The following tables contain scientific terms and measures, some of which may require explanation.

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

Avg: Regulatory compliance with some MCLs is based on running an annual average of monthly samples.

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 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 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 or MRDL: The highest level of disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for the control of microbial contaminants.

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.

N/A: Not applicable.

ND: Not detectable at testing limit.

Nephelometric Turbidity Unit (NTU) – Measure of the clarity or cloudiness of water. Turbidity more than 5 NTU is just noticeable to the typical person.

Picocuries per liter (pCi/L) – Measure of the radioactivity in water.

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

ppm: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

Secondary Maximum Contaminant Level (SMCL): SMCLs are established as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

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

water.

The State of Montana DEQ requires 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, or the system is not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than one-year-old.

Lead and Copper								
Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08-27-2021	1.3	1.3	1.06	1	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	08-27-2021	15	15	<1	1	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Regulated Contaminants								
Contaminant Group: Disinfectants and Disinfection By-Products								
Regulated Contaminants	Collection Year	Highest Level Detected	Range of Levels	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2022	24	24 - 24	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2022	33	33 - 33	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Contaminant Group: Inorganic Contaminants								
Regulated Contaminants	Collection Year	Highest Level Detected	Range of Levels	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	2022	2	ND - 4	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Nitrate [measured as Nitrogen]	2022	0.18	.05 - .18	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Total Organic Carbon

Contaminant	Collection Date	Average	Range	Unit	TT Minimum Ratio	Violation	Likely Source of Contamination
Total Organic Carbon (TOC)	2022	2.15	1.30-3.23	Ratio	1.00	N	Naturally present in the environment- Total organic carbon (TOC) has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These byproducts include trihalomethanes (THMs) and haloacetic acids (HAAs). Drinking water containing these byproducts in excess of the MCL may lead to adverse health effects, liver or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer.

Turbidity

	Date	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement (NTU)	2022	1.0	1.75*	No	Soil runoff
Lowest monthly % meeting limit	2022	At least 95%	33%	No	Soil runoff

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.

*The town of Hysham failed to continuously monitor for turbidity at the treatment plant during 2022, therefore the actual highest turbidity of treated water at the treatment plant is unknown.

Secondary Contaminants

Secondary Contaminant	Collection Year	Highest Level Detected	Range of Levels	SMCL	Units	Likely Source of Contamination and or Reason for Monitoring
MANGANESE	2022	701	701 - 701	50	ppb	Natural sources as well as discharges from industrial uses

Water may naturally have manganese and, when concentrations are greater than 50 ppb, the water may be discolored and taste bad. Over a lifetime, the EPA recommends that people drink water with manganese levels less than 300 ppb and over the short term, EPA recommends that people limit their consumption of water with levels over 1000 ppb, primarily due to concerns about possible neurological effects. Children younger than one year old should not be given water with manganese concentrations over 300 ppb, nor should formula for infants be made with that water for more than a total of 10 days throughout the year.

Violations

Violation for 2,4,5-TP (Silvex)

Some people who drink water containing silvex in excess of the MCL over many years could experience liver problems.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for 2,4-D

Some people who drink water containing the weed killer 2,4-D well in excess of the MCL over many years could experience problems with their kidneys, liver, or adrenal glands.

Violation Type	Violation Period	Resolution Date	Violation Explanation
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MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Alachlor			
Some people who drink water containing alachlor in excess of the MCL over many years could have problems with their eyes, liver, kidneys, or spleen, or experience anemia, and may have an increased risk of getting cancer.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Atrazine			
Some people who drink water containing atrazine well in excess of the MCL over many years could experience problems with their cardiovascular system or reproductive difficulties.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Benzo(a)pyrene			
Some people who drink water containing benzo(a)pyrene in excess of the MCL over many years may experience reproductive difficulties and may have an increased risk of getting cancer.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Carbofuran			
Some people who drink water containing carbofuran in excess of the MCL over many years could experience problems with their blood, or nervous or reproductive systems.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Chlordane			
Some people who drink water containing chlordane in excess of the MCL over many years could experience problems with their liver or nervous system, and may have an increased risk of getting cancer.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Consumer Confidence Rule			

The Consumer Confidence Rule requires community water systems to prepare and provide to their customers annual consumer confidence reports on the quality of the water delivered by the systems.

Violation Type	Violation Period	Resolution Date	Violation Explanation
CCR REPORT	07/01/2022 to 07/29/2022	07-29-2022	We failed to provide to you, our drinking water customers, an annual report that informs you about the quality of our drinking water and characterizes the risks from exposure to contaminants detected in our drinking water.

This violation was returned to compliance when the CCR was distributed to consumers and sent to the State of Montana DEQ.

Violation for Dalapon

Some people who drink water containing dalapon well in excess of the MCL over many years could experience minor kidney changes.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Di (2-ethylhexyl) adipate

Some people who drink water containing di (2-ethylhexyl) adipate well in excess of the MCL over many years could experience general toxic effects or reproductive difficulties.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Di (2-ethylhexyl) phthalate

Some people who drink water containing di (2-ethylhexyl) phthalate in excess of the MCL over many years may have problems with their liver, or experience reproductive difficulties, and may have an increased risk of getting cancer.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Dinoseb

Some people who drink water containing dinoseb well in excess of the MCL over many years could experience reproductive difficulties.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Endrin

Some people who drink water containing endrin in excess of the MCL over many years could experience liver problems.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Heptachlor

Some people who drink water containing heptachlor in excess of the MCL over many years could experience liver damage and may have an increased risk of getting cancer.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Heptachlor epoxide

Some people who drink water containing heptachlor epoxide in excess of the MCL over many years could experience liver damage, and may have an increased risk of getting cancer.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Hexachlorobenzene

Some people who drink water containing hexachlorobenzene in excess of the MCL over many years could experience problems with their liver or kidneys, or adverse reproductive effects, and may have an increased risk of getting cancer.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Hexachlorocyclopentadiene

Some people who drink water containing hexachlorocyclopentadiene well in excess of the MCL over many years could experience problems with their kidneys or stomach.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Lindane

Some people who drink water containing lindane in excess of the MCL over many years could experience problems with their kidneys or liver.

Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.

Violation for Methoxychlor

Some people who drink water containing methoxychlor in excess of the MCL over many years could experience reproductive difficulties.

Violation Type	Violation Period	Resolution Date	Violation Explanation
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MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Oxamyl [Vydate]			
Some people who drink water containing oxamyl in excess of the MCL over many years could experience slight nervous system effects.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Pentachlorophenol			
Some people who drink water containing pentachlorophenol in excess of the MCL over many years could experience problems with their liver or kidneys, and may have an increased risk of getting cancer.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Picloram			
Some people who drink water containing picloram in excess of the MCL over many years could experience problems with their liver.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Simazine			
Some people who drink water containing simazine in excess of the MCL over many years could experience problems with their blood.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			
Violation for Surface Water Treatment Rule (SWTR)			
The Surface Water Treatment Rule seeks to prevent waterborne diseases caused by viruses, Legionella, and Giardia lamblia. The rule requires that water systems filter and disinfect water from surface water sources to reduce the occurrence of unsafe levels of these microbes.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, RTN/RPT MAJOR (SWTR-FILTER)	11/01/2022 to 11/30/2022	01-09-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
This violation was returned to compliance after reports were submitted, or by submitting proper monitoring reports the following month.			

MONTHLY COMB. FILTER EFFLUENT (SWTR)	04/01/2022 to 04/30/2022	06-02-2022	Turbidity levels, though relatively low, exceeded a standard for the month indicated. Turbidity (cloudiness) levels are used to measure effective filtration of drinking water.
This violation was returned to compliance with acceptable turbidity the following month.			
RES DISINFECT CONCENTRATION (SWTR)	08/01/2022 to 08/31/2022	08-26-2022	Measurements of disinfectant indicate that adequate disinfection did not occur for the period indicated. Adequate disinfection is required to ensure safe drinking water.
This violation was returned to compliance with acceptable turbidity the following month.			
RES DISINFECT CONCENTRATION (SWTR)	09/01/2022 to 09/30/2022	09-30-2022	Measurements of disinfectant indicate that adequate disinfection did not occur for the period indicated. Adequate disinfection is required to ensure safe drinking water.
This violation was returned to compliance with acceptable turbidity the following month.			
RES DISINFECT CONCENTRATION (SWTR)	10/01/2022 to 10/31/2022	11-22-2022	Measurements of disinfectant indicate that adequate disinfection did not occur for the period indicated. Adequate disinfection is required to ensure safe drinking water.
This violation was returned to compliance with acceptable turbidity the following month.			
RES DISINFECT CONCENTRATION (SWTR)	12/01/2022 to 12/31/2022	12-21-2022	Measurements of disinfectant indicate that adequate disinfection did not occur for the period indicated. Adequate disinfection is required to ensure safe drinking water.
This violation was returned to compliance with acceptable turbidity the following month.			
Violation for Toxaphene			
Some people who drink water containing toxaphene in excess of the MCL over many years could have problems with their kidneys, liver, or thyroid, and may have an increased risk of getting cancer.			
Violation Type	Violation Period	Resolution Date	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2020 to 12/31/2022	02-15-2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
The violation was returned to compliance once the analytical result was received by the State of Montana DEQ.			

The Report will not be mailed to our individual customers. Copies of this report are available upon request at City Hall.