






**Town of Cedar Lake**  
*Public Works*  
*Cedar Lake Water Department*  
8550 Lake Shore Drive, Cedar Lake, IN 46303  
PWSID# 5245047  
**Consumer Confidence Drinking Water Report**  
1-1-2019 to 12-31-2019

This is a report on the quality of the drinking water supplied by the Cedar Lake Water Utility for the fiscal year 2019. Questions regarding this report should be to the Cedar Lake Water Department at (219)-374-7478, Water Superintendent, Ryan Kuiper.

According to these assessments, your water system has a low risk of being susceptible to contamination. Further information about the source water assessment can be obtained by contacting Mr. Kevin Spindler of IDEM's Drinking Water Branch at (317)-234-3243.

Cedar Lake Water Utility routinely monitors for contaminants in the drinking water according to Environmental Protection Agency and Indiana Department of Environmental Management requirements. These contaminants 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 storm water 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, storm water runoff, and residential uses.
-  **Organic Chemical Contaminants**, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum productions, and can also result from gas stations, urban storm runoff and septic systems.
-  **Radioactive Contaminants**, which can be naturally occurring or the result of oil and gas production and mining activities.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 and health risks. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency Safe Drinking Water Hotline at (800) 426-4791.

Where does my water come from? Between 60-72% of Indiana's population relies on ground water for drinking and household use. The Cedar Lake Water Utilities source is the Silurian Devonian Aquifer. The Cedar Lake Water Utility has four (4) wells, two (2) of them located in Havenwood Subdivision and two (2) located off of Parrish Avenue.

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. U.S. Environmental Protection Agency and Centers for Disease Control 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.

### 2019 Regulated Contaminants Detected

#### Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample.	1		0	N	Naturally present in the environment.

#### Lead and Copper

Definitions:

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

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

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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 is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

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Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
<b>Copper</b>	09/20/2018	1.3	1.3	0.459	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
<b>Lead</b>	09/20/2018	0	15	3.8	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

#### Water Quality Test Results

Definitions:	The following tables contain scientific terms and measures, some of which may require explanation.
Avg:	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
Maximum Contaminant Level or 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.
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
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.
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 residual disinfectant level or 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 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.
na:	not applicable.
mrem:	millirems per year (a measure of radiation absorbed by the body)
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.
Treatment Technique or TT:	A required process intended to reduce the level of a contaminant in drinking water.

## Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
<b>Chlorine</b>	2019	1	0 - 1	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
<b>Haloacetic Acids (HAA5)</b>	09/27/2017	3.9	2.7 - 3.9	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
<b>Total Trihalomethanes (TTHM)</b>	09/27/2017	8.9	8.4 - 8.9	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
<b>Barium</b>	10/24/2018	0.031	0.031 - 0.031	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
<b>Fluoride</b>	10/24/2018	0.36	0.36 - 0.36	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Gross alpha excluding radon and uranium	08/02/2018	2.2	-0.21 - 2.2	0	15	pCi/L	N	Erosion of natural deposits.

### Violations Table

<b>1,1,1-Trichloroethane</b>			
Some people who drink water containing 1,1,1-trichloroethane in excess of the MCL over many years could experience problems with their liver, nervous system, or circulatory system.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>1,1,2-Trichloroethane</b>			
Some people who drink water containing 1,1,2-trichloroethane well in excess of the MCL over many years could have problems with their liver, kidneys, or immune systems.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>1,1-Dichloroethylene</b>			
Some people who drink water containing 1,1-dichloroethylene in excess of the MCL over many years could experience problems with their liver.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>1,2,4-Trichlorobenzene</b>			
Some people who drink water containing 1,2,4-trichlorobenzene well in excess of the MCL over many years could experience changes in their adrenal glands.			
Violation Type	Violation Begin	Violation End	Violation Explanation

MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>1,2-Dichloroethane</b>			
Some people who drink water containing 1,2-dichloroethane in excess of the MCL over many years may have an increased risk of getting cancer.			
<b>Violation Type</b>	<b>Violation Begin</b>	<b>Violation End</b>	<b>Violation Explanation</b>
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>1,2-Dichloropropane</b>			
Some people who drink water containing 1,2-dichloropropane in excess of the MCL over many years may have an increased risk of getting cancer.			
<b>Violation Type</b>	<b>Violation Begin</b>	<b>Violation End</b>	<b>Violation Explanation</b>
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>2,4,5-TP (Silvex)</b>			
Some people who drink water containing silvex in excess of the MCL over many years could experience liver problems.			
<b>Violation Type</b>	<b>Violation Begin</b>	<b>Violation End</b>	<b>Violation Explanation</b>
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>2,4-D</b>			
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.			
<b>Violation Type</b>	<b>Violation Begin</b>	<b>Violation End</b>	<b>Violation Explanation</b>
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>Alachlor</b>			
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.			
<b>Violation Type</b>	<b>Violation Begin</b>	<b>Violation End</b>	<b>Violation Explanation</b>
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

<b>Atrazine</b>			
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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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **Benzene**

Some people who drink water containing benzene in excess of the MCL over many years could experience anemia or a decrease in blood platelets, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **Carbon Tetrachloride**

Some people who drink water containing carbon tetrachloride in excess of the MCL over many years could experience problems with their liver and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **Chlorobenzene**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**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 Begin	Violation End	Violation Explanation
CCR ADEQUACY/AVAILABILITY/CONTENT	10/01/2019	2019	We failed to provide to you, our drinking water customers, an annual report that adequately informed you about the quality of our drinking water and the risks from exposure to contaminants detected in our drinking water.

**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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Dibromochloropropane (DBCP)**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Dichloromethane**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Dinoseb**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Dioxin (2,3,7,8-TCDD)**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Diquat**

Some people who drink water containing diquat in excess of the MCL over many years could get cataracts.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Endothall**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Endrin**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Ethylbenzene**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Ethylene dibromide**

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

**Glyphosate**

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



Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### Haloacetic Acids (HAA5)

Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE (DBP), MAJOR	01/01/2019	12/31/2019	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.

### 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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### 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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### 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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### 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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### 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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### Methoxychlor

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **PCBs [Polychlorinated biphenyls]**

Some people who drink water containing PCBs in excess of the MCL over many years could experience changes in their skin, problems with their thymus gland, immune deficiencies, or reproductive or nervous system difficulties, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **Revised Total Coliform Rule (RTCR)**

The Revised Total Coliform Rule (RTCR) seeks to prevent waterborne diseases caused by E. coli. E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE, MAJOR (RTCR)	01/01/2019	01/31/2019	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.

### **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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### **Styrene**

Some people who drink water containing styrene well in excess of the MCL over many years could have problems with their liver, kidneys, or circulatory system.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

#### Tetrachloroethylene

Some people who drink water containing tetrachloroethylene in excess of the MCL over many years could have problems with their liver, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

#### Toluene

Some people who drink water containing toluene well in excess of the MCL over many years could have problems with their nervous system, kidneys, or liver.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

#### Total Trihalomethanes (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 systems, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE (DBP), MAJOR	01/01/2019	12/31/2019	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.

#### 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 Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	12/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

#### Trichloroethylene

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

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

#### Vinyl Chloride

Some people who drink water containing vinyl chloride in excess of the MCL over many years may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### Xylenes

Some people who drink water containing xylenes in excess of the MCL over many years could experience damage to their nervous system.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### cis-1,2-Dichloroethylene

Some people who drink water containing cis-1,2-dichloroethylene in excess of the MCL over many years could experience problems with their liver.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### o-Dichlorobenzene

Some people who drink water containing o-dichlorobenzene well in excess of the MCL over many years could experience problems with their liver, kidneys, or circulatory systems.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### p-Dichlorobenzene

Some people who drink water containing p-dichlorobenzene in excess of the MCL over many years could experience anemia, damage to their liver, kidneys, or spleen, or changes in their blood.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

### trans-1,2-Dichloroethylene

Some people who drink water containing trans-1,2-dichloroethylene well in excess of the MCL over many years could experience problems with their liver.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2019	03/31/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
MONITORING, ROUTINE MINOR	04/01/2019	06/30/2019	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.



**Maximum Contaminant Level (MCL)**: Highest allowable amount of a contaminant that is allowed in drinking water.



**Maximum Contaminant Level Goal (MCLG)**: Level of a contaminant in drinking water below which no known or expected risk to health exists. MCLG's allow for a margin of safety.



**Parts per Million (ppm)**: One part per million corresponds to one minute in two years.

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



