

Annual Drinking Quality Report for 2023
SPRINGPORT Water District #1 North Water District #1 South
Town of Springport
4859 State Route 326
Public Water Supply ID:
WD #1 North - NY0530042
WD #1 South - NY0530041
May 2023

INTRODUCTION

To comply with State and Federal regulations, the Springport Water Districts #1 North and South will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact William Patterson (315) 889-5963. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled town board meetings. The meetings are held on the 2nd Monday at 7p.m. of each month at the Municipal Bldg., located at 859 State Route 326, Cayuga, NY.

WHERE DOES OUR WATER COME FROM?

In general, 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 activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Our water system serves approximately 500 people through 337 service connections. Our water source is the Village of Union Springs which draws from two wells located on State Route 90 in Union Springs. Water from the wells passes through air an air stripper tower for the removal of volatile organic compounds (VOCs). Next, the water is chlorinated and distributed to the Village of Union Springs and to Springport WDs #1 North and South.

The NYS DOH has completed a source water assessment for our system, based on available information. Possible and actual threats to this drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water. It does not mean that the water delivered to consumers is or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from two drilled wells. The source water assessment has rated these wells as having a high susceptibility to microbials, industrial organics, and petroleum products. These ratings are due primarily to the close proximity of gas wells and animal pastures in relation to the wells as well as the documentation of the presence of halogenated solvents and nitrates in the ground water. In addition, the wells draw from an unconfined aquifer with high hydraulic conductivity. Please note that, while the source water assessment rates our well as being susceptible to microbials, our water is disinfected to ensure that the finished water delivered into your home meets the New York State drinking water standards for microbial contamination.

County and state health department will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning, and education programs. A copy of the assessment is available for review by calling the Cayuga County Health Department at 253-1405.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

The Village of Union Springs and Town of Springport routinely monitors for contaminants in your drinking water according to Federal and State laws. The drinking water is tested for 27 inorganic compounds, nitrate, nitrite, 60 volatile organic compounds, total trihalomethanes, haloacetic acids, and 52 synthetic organic compounds. In addition, we test the water for coliform bacteria once a month and chlorine once a day. The table presented below depicts which compounds were detected in your drinking water.

The State allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Therefore, some of the data, though representative of the water quality, is more than one year old.

It should be noted that all drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA'S Safe Drinking Water Hotline (800-426-4791) or the Cayuga County Health Department at (315) 253-1405.

Table of Detected Contaminates Tested for in Springport Water District #1 N-S

Contaminants	Violation Yes/No	Date of Sample	Level Detected (Ave/Max) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Copper ¹	NO	9/1/2021	0.39 Range: 0.012-0.39	mg/L	1.3	AL = 1.3	Contained in Finished Water, an artifact of old piping and lead soldered joints.
Lead ²	NO	9/1/2021	<1 ² Range <0.0010-0.0017	ug/l	0	AL = 15	Corrosion of household plumbing, erosion of natural deposits
TTHMs Total Trihalomethanes	NO	8/15/23	Range: 23-54	ug/l	N/A	80	By-Product of drinking water chlorination
HAA5 Haloacetic Acids	NO	8/15/23	Range: 3.7-8.1	ug/l	N/A	60	By-product of drinking water disinfection need to kill harmful organisms

1 – The level presented represents the 90th percentile of the 10 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. In this case, 10 samples were collected at your water system and the 90th percentile value was the second highest value (0.39mg/l). The action level for copper was not exceeded at any of the sites tested.

2 – The level presented represents the 90th percentile of the 10 samples collected. The action level lead was not exceeded at any of the sites tested.

3 Definitions:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to The MCLGs as feasible.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected Risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contamination.

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

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Non-Detects (ND): Laboratory analysis indicates that the constituent is not present.

Nephelometric Turbidity Unit, NTU: A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Milligrams per liter (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (ug/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Million Fibers per Liter (MFL): A measure of the presence of asbestos fibers that are longer than 10 micrometers

WHAT DOES THIS INFORMATION MEAN?

In 2023, the Springport Water District #1 N-S has no violations. We have learned through our sampling that some contaminants have been detected; however, these contaminants were detected below the level allowed by the State.

We are required to present the following information on lead in drinking water: 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. The Springport Water District #1 N-S is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You

share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and 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 (1-800-462-4791) or at <http://www.epa.gov/safewater/lead>.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2023, our system was in compliance with applicable State drinking water operating, monitoring and reporting requirements.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Some people may be more vulnerable to disease causing microorganisms or pathogens 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 from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- ❖ Saving water saves energy and some of the costs associated with both of these necessities of life;
- ❖ Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and
- ❖ Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- ❖ Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- ❖ Turn off the tap when brushing your teeth.
- ❖ Check every faucet in your home for leaks. Just a **slow drip can waste 15 to 20 gallons a day**. Fix it up and you can save almost **6,000 gallons per year**.
- ❖ Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to **lose up to 100 gallons a day** from one of these otherwise invisible toilet leaks. Fix it and you **save more than 30,000 gallons a year**.

CLOSING

Thank you for allowing us to continue to provide your family with quality drinking water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements. We ask that all our customers help us protect our water sources, which are the heart of our community, Please call our office at 315-889-7717 if you have questions, OR WISH EXTRA COPIES OF THIS REPORT

**Attached you can find the
Village of Union Springs Annual Water Quality Report for 2023**

ANNUAL DRINKING WATER QUALITY REPORT - 2023

FOR THE VILLAGE OF UNION SPRINGS

PREPARED AND WRITTEN BY WATER OPERATOR KEVIN THURSTON

Public Water System ID No.: 0501725

Number of Water Connections: 445

INTRODUCTION

We are very pleased to provide you with the Annual Drinking Water Report. This is a requirement by the State of New York to inform you about our water supply.

This report will keep you informed about the excellent water and services we delivered to you over the past year and many to come. This report will be mailed to you each year on or before May 31st, starting in 2001. The information will cover any violations from Jan. 1st – Dec. 31st of the previous year. This report will inform you on upgrades on the system, location of system, phone numbers, personnel, testing, certification, and training. You may call us anytime with questions that you may have. Here is a list of current phone numbers and personnel to contact for information on this report or the water system. We encourage you to call anytime.

<u>Village Office</u>	<u>Home</u>	<u>Work</u>
Water Commissioner – Bill Boyd, Jr.	315-889-5692	
Water Operator – Kevin Thurston	315-406-2839	315-889-5680
Cayuga County Health Department		315-253-1405

You are welcome to come to Village Board meetings at anytime for information. The meetings are held in the Village Meeting Room at 26 Chapel Street on the lake on the third Tuesday of every month, unless posted otherwise.

WHERE DOES OUR WATER COME FROM?

In general, 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 activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Our water supply is located on Route 90 in Union Springs across from the Union Springs High School. We have two drilled wells with a very good supply of water and two well houses, labeled North Well House and South Well House.

We pump with 30 HP Goulds submersible pumps. In each pumping cycle, we alternate wells and pumps. Each cycle is recorded on a chart as well as the tank levels. We calculate a total of gallons pumped daily. The water then goes to the air stripper tower for the removal of the volatile organic contaminants (VOC's). Next it is chlorinated and the chlorine is checked once each day. The system is equipped with an alarm system. If there is any failure in the system, the alarm will dial out until someone answers the call. We have about eight miles of water mains in the Village. There are seven pressure reducing pits in the Village, 445 metered water customers, and two water storage tanks. The Center Street water tank has a 200,000 gallon capacity, and the Grove Street water tank has a 189,000 gallon capacity. Each tank has a control pit for the signal equipment. In recent years, the Village has expanded the water system to provide water to a portion of the Town of Springport. Overall you have an investment of \$3,500,000 in the water system.

The NYS DOH has completed a source water assessment for our system, based on available information. Possible and actual threats to this drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water. It does not mean that the water delivered to consumers is or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from two drilled wells. The source water assessment has rated these wells as having a high susceptibility to microbials, industrial organics, and petroleum products. These ratings are due primarily to the close

proximity of gas wells and animal pastures in relation to the wells as well as the documentation of the presence of halogenated solvents and nitrates in the ground water. In addition, the wells draw from an unconfined aquifer with high hydraulic conductivity. Please note that, while the source water assessment rates our well as being susceptible to microbials, our water is disinfected to ensure that the finished water delivered into your home meets the New York State drinking water standards for microbial contamination.

County and state health department will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning, and education programs. A copy of the assessment is available for review by calling the Cayuga County Health Department at 253-1405.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

The Village of Union Springs routinely monitors for contaminants in your drinking water according to Federal and State laws. We test the drinking water for 27 inorganic compounds, nitrate, nitrite, 60 volatile organic compounds, total trihalomethanes, and 52 synthetic organic compounds. In addition we test the water for coliform bacteria once a month and chlorine once a day. The table presented below depicts which compounds were detected in your drinking water. The State allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Therefore some of the data, though representative of the water quality, is more than one year old. See Chart A attached.

It should be noted that all drinking water including bottled drinking water may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791) or the Cayuga County Health Department at 315-253-1405.

CHART A North Well (N.W.) South Well (S.W.)							
Table of Detected Contaminants							
Contaminants	Y/N Violation	Date of Sample	Level Detected Max. Range	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants							
Barium	No	10-5-21	88.8	ug/L	2000	2000	Discharge of drilling waste, and metal refineries; erosion of natural deposits
Copper ¹	No	7-21-21	0.84 ¹ Range: 0.012-0.87	mg/L	1.3	AL= 1.3	Corrosion of household plumbing system; leaching from wood preservation; erosion of natural deposits
Lead ²	No	7-21-21	1.0 ² Range: <1-25	ug/L	0	AL= 15	Corrosion of household plumbing; erosion of natural deposits
Nitrate (North Well)	No	9-13-23	3.09	mg/L	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate (South Well)	No	9-13-23	2.93	mg/L	10	10	
Sodium (South Well)	No	9-13-23	40.0	mg/L	N/A	N/A	Naturally occurring; road salt; water softeners; animal waste
Sodium (North Well)	No	9-13-23	41.0	mg/L	N/A	N/A	Naturally occurring; road salt; water softeners; animal waste
Organic Contaminants							

Cis-1, 2 Dichloroethene ³	No	Jan-Dec 2023	<u>RAW</u> Range: 1.6-2.4 Avg. 2.0 <u>FINISHED</u> Range ND Avg. ND	ug/L	N/A	5.0	Discharge from industrial chemical factories
Trichloroethene ³	No		<u>RAW</u> Range: ND – <u>FINISHED</u> Range ND Avg. ND		0		Discharge from metal degreasing sites and other factories
1,4-dioxane North Well	No	10-19-23	<u>ND</u>	ug/L	N/A	N/A	Released into the environment from commercial and industrial sources and is associated with inactive and hazardous waste sites.
1,4-dioxane South Well	No	10-19-23	<u>ND</u>	ug/L	N/A	N/A	Released into the environment from commercial and industrial sources and is associated with inactive and hazardous waste sites.
Disinfection Byproducts							
Haloacetic Acid	No	8-16-23	Sampling Location 1: 3.2 Sampling Location 2: 3.2	ug/l	N/A	60	By-product of drinking water disinfection needed to kill harmful organisms
Total Trihalomethanes	No	8-16-23	Sampling Location 1: 9.97 Sampling Location 2: 42.6	ug/l	N/A	80	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter

1. The level presented represents the 90th percentile of the 10 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. In this case, ten samples were collected at your water system and the 90th percentile value was the second highest value, 0.22 mg/L. The action level for copper was not exceeded at any of the sites tested.
2. The level presented represents the 90th percentile of the samples collected. The action level for the lead was exceeded at one of the 10 sites tested.
3. RAW results indicate level detected before the water passes through the air stripper for treatment. FINISHED results indicate level detected after the water has passed through the air stripper for treatment.

Definitions we use:

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

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL) – The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible.

Maximum Contaminant Level Goal (MCLG) – The goal is the level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

Milligrams Per Liter (mg/L) – corresponds to one part of liquid in one million parts of liquid (parts per million – ppm).

Micrograms Per Liter (ug/L) – corresponds to one part of liquid in one billion parts of liquid (parts per billion – ppb).

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Non-Detects (ND) – Laboratory analysis indicates that the constituent is not present.

SUMMARY OF NON-DETECTED CONTAMINANTS:

Union Springs was required to sample for the following additional contaminants which were **not detected** in the water supply.

10/7/21: Aldicarb Sulfoxide, Aldicarb Sulfone, Oxamyl (Vydate), Methomyl (Lannate), 3-Hydroxy Carbofuran, Aldicarb (Temik), Propoxur (Baygon), Carbofuran, Carbaryl (Sevin), Methiocarb, Pentachlorophenol, 2,4,5-TP (Silvex), 2,4,5-T, 2,4-DB, Dinoseb, Picloram, Acifluorfen, Simazine, Atrazine, Metribuzin, Alachlor (Lasso), Metolachlor (Dual), Butachlor, Hexachlorocyclopentadiene (C-56), Hexachlorobenzene, HCH, Alpha, HCH, Gamma (Lindane), HCH, Beta, HCH, Delta, Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, 4,4'-DDE, Dieldrin, Endrin, 4,4'-DDD, Endosulfan II, 4,4'-DDT, Endrin aldehyde, Endosulfan sulfate, Methoxychlor, Mirex, Toxaphene, Chlordane, technical, Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, Aroclor 1260, 1,2-Dibromoethane (EDB), 1,2,3-Trichloropropane, Dibromo-3-chloropropane, Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, Methylene Chloride, trans-1,2-Dichloroethene, Methyl-t-Butyl-Ether, 1,1-Dichloroethane, Methyl Ethyl Ketone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, 2,2-Dichloropropane, 1,2-Dichloroethane, 1,1,1-Trichloroethane, 1,1-Dichloropropene, Carbon Tetrachloride, Benzene, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, Bromodichloromethane, cis-1,3-Dichloropropene, Methyl Isobutyl Ketone, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Toluene, 1,3-Dichloropropane, Dibromochloromethane, Tetrachloroethene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, Ethylbenzene, Bromoform, m/p-Xylene, Styrene, 1,1,2,2-Tetrachloroethane, o-Xylene, 1,2,3-Trichloropropane, Isopropylbenzene, Bromobenzene, n-Propylbenzene, 2-Chlorotoluene, 4-Chlorotoluene, 1,3,5-Trimethylbenzene, tert-Butylbenzene, 1,2,4-Trimethylbenzene, sec-Butylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, p-Cymene, 1,2-Dichlorobenzene, n-Butylbenzene, 1,2,4-Trichlorobenzene, Naphthalene, Hexachlorobutadiene (C-46), 1,2,3-Trichlorobenzene, Fluoride, Free, Beryllium, Chromium, Nickel, Arsenic, Selenium, Cadmium, Antimony, Thallium, Lead, Mercury, Cyanide.

Monthly in 2023: Total Coliform Bacteria.

Annually in 2023: Perfluorooctane Acid (PFOA) and Perfluorooctane sulfonate (PFOS).

Quarterly in 2023: Volatile Organic Contaminants: Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, N-Butylbenzene, Sec-Butylbenzene, Tert-Butylbenzene, Carbon Tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, Cumene (Isopropyl benzene), Cymene (4-Isopropyltoluene), Cis-1,3-Dichloropropene, Dibromochloromethane, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethane, Trans-1,2-Dichloroethene, 1,2-Dichloropropane, 1,3-Dichloropropane, 2,2-Dichloropropane, 1,1-Dichloropropane, Trans-1,3-Dichloropropene, Ethylbenzene, Hexachlorobutadiene, Methylene Chloride, Naphthalene, N-Propyl benzene, Styrene, Toluene, Trichloroethene, Trichlorofluoromethane, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,2-Trichloroethane, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,1,1-Trichloroethane, Vinyl Chloride, M+P Xylenes, O-Xylenes.

WHAT DOES THIS INFORMATION MEAN?

As you can see by the table, our system had no violations. During 2023 our system was in compliance with applicable State drinking water operating, monitoring, and reporting requirements.

VOCs:

In the past, the Village of Union Springs has had violations in our V.O.C.'s. As the testing is done, the amounts of Cis-1, 2-Dichloroethene, and Trichloroethene vary. We have highs and lows. This is a by-product of manufacturing plants and it is used as a cleaning fluid or degreaser. Some people who drink water containing Cis-1, 2-Dichloroethene in excess of the MCL over many years could experience problems with their liver. Some people who drink water containing Trichloroethene in excess of the MCL over many years could experience problems with their liver and may have an increased risk of getting cancer. Over the past few years we have tested many times. At the present time, we do four tests a year.

Lead:

We are required to present the following information on lead in drinking water. [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. The Village of Union Springs is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact The Village of Union Springs 315 889-7341, 26 Chapel St PO Box 99 Union Springs, NY 13060. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.](#)

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Some people may be more vulnerable to disease causing microorganisms or pathogens 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 from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

The Village of Union Springs added an air stripper tower to its water system in 2001. The job that the air stripper does will reflect in our contaminant levels listed in our Annual Drinking Water Quality Report. Since all water has to pass through the air stripper, those levels will be referred to as Raw Water and Finished Water for either well head. At the present time, the air stripper is doing a great job; hopefully, this will put many minds to rest. We will continue to sample quality and list the results in our Annual Drinking Water Quality Report. We would like to thank you for allowing us to continue to provide you with clean, quality water this year. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- ◆ Saving water saves energy and some of the costs associated with both of these necessities of life;
- ◆ Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and
- ◆ Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential firefighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- ◆ Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- ◆ Turn off the tap when brushing your teeth.
- ◆ Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- ◆ Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.
- ◆ Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances, then check the meter after 15 minutes. If it moved, you have a leak.

CLOSING

Thank you for allowing us to continue to provide your family with quality drinking water this year. We ask that all our customers help us protect our water sources, which are the heart of our community. Please call our office if you have questions.

The Village of Union Springs is an equal employment opportunity provider and employer

Appendix D – Certification Form

CWS name: Village of Union Springs

PWS I.D. No.: 0501725

The community water system named above hereby confirms that its Annual Drinking Water Quality Report has been distributed to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the primary agency.

Certified by: Kevin L. Thurston Title: Water Operator

License No. NY0043431 Expiration Date: 8/31/26

Phone: (315)889-5680

CCR was distributed by mail on 5/31/22. “Good faith” efforts were used to reach non-bill paying customers on 8/31/26. Those efforts included the following methods as recommended by the primary agency: delivery of multiple copies to single bill addresses serving several persons such as: apartments, businesses, and large private employers.