

## 2023 Consumer Confidence Report (CCR) Certification Form

Water System Name: TOWN OF POLLOCKSVILLE

Water System No.: NC 04-52-015 Report Year: 2023 Population Served: 450

The Community Water System (CWS) named above hereby confirms that all provisions under 40 CFR parts 141 and 142 requiring the development of, distribution of, and notification of a consumer confidence report have been executed. Further, the CWS certifies the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the primacy agency by their NC certified laboratory. In addition, if this report is being used to meet Tier 3 Public Notification requirements, as denoted by the checked box below, the CWS certifies that public notification has been provided to its consumers in accordance with the requirements of 40 CFR 141.204(d).

Certified by: Name: Johnnie J. Chadwick Title: Operator In Responsible Charge

Signature: \_\_\_\_\_

Phone #: 252-224-9831

Delivery Achieved Date: \_\_\_\_\_

Date Reported to State: \_\_\_\_\_

The CCR includes the mandated Tier 3 Public Notice for a monitoring/reporting violation (check box, if yes).

Check **all** methods used for distribution (see instructions on back for delivery requirements and methods):

X Paper copy to all      X US Mail       Hand Delivery

Notification of availability of paper copy (Provide a copy of the notice.)

Notification Method \_\_\_\_\_ (i.e., US Mail, door hanger)

Notification of CCR URL (must be direct URL): Town of Pollocksville web site

Notification Method \_\_\_\_\_ (i.e., on bill, bill stuffer, separate mailing, email)

Direct email delivery of CCR       Attached       Embedded

Notification Method \_\_\_\_\_ (i.e., on bill, bill stuffer, separate mailing)

Newspaper (attach copy) Name of Paper? \_\_\_\_\_ Date Published: \_\_\_\_\_

Notification Method \_\_\_\_\_ (i.e., on bill, bill stuffer, separate mailing, email)

**“Good faith” efforts** (in addition to one of the above required methods) were used to reach non-bill paying consumers such as industry employees, apartment tenants, etc. These efforts included the following methods:

X posting the CCR on the Internet at URL: \_\_\_\_\_

mailing the CCR to postal patrons within the service area

advertising the availability of the CCR in news media (attach copy of announcement)

publication of the CCR in local newspaper (attach copy of newspaper)

X posting the CCR in public places such as: (attach list if needed) Post office/library

X delivering multiple copies to single bill addresses serving several persons such as: apartments, businesses, and large private employers

delivery to community organizations such as: (attach list if needed) \_\_\_\_\_

**Note:** Use of social media (e.g., Twitter or Facebook) or automated phone calls DO NOT meet existing CCR distribution methods under the Rule.

# INSTRUCTIONS for Water System (Remove this page prior to distribution.)

## 1. Create your 2023 CCR using the template and instructions on the following pages

- **Make sure all instructions are removed when report is complete.** Instructions are in blue text with \*\* symbols at the beginning of each paragraph. The \*\*s are included in case the blue color is not visible.
- Systems that have a large proportion of non-English speaking customers must include information in the appropriate language(s) regarding the importance of the report or provide a telephone number or address where such residents may contact the system to obtain a translated copy of the report or assistance in the appropriate language.
- It is best to remove all non-detected contaminants and all contaminants not required to be monitored by the water system from the report. This will make the report shorter, so that it is easier to read and less expensive to print. If you wish to include non-detected contaminants in your report, the CCR Rule requires that all detected and non-detected contaminants be presented in separate tables.
- A detected contaminant stays in the report from year to year until the particular contaminant is tested again, in which case, the result may either be modified, if detected again, or removed, if not detected. No data older than 5 years needs to be included.

## 2. Distribute your 2023 CCR to customers through direct delivery

CCR DELIVERY METHOD	METHOD DESCRIPTION (Click link: <a href="#">EPA-CCR Rule Delivery Options Memo January 3, 2013</a> . for referenced Appendix Figures below.)
Mail – paper copy	CWS mails a paper copy of the CCR to each bill-paying customer.
Mail – notification that CCR is available on web site via a direct URL	CWS mails to each bill-paying customer a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet where it can be viewed. A URL that navigates to a web page that requires a customer to search for the CCR or enter other information does not meet the “directly deliver” requirement. The mail method for the notification may be, but is not limited to, a water bill insert, statement on the water bill or community newsletter. See Figure 1 in the Appendix. A copy of the notice of the direct URL must be submitted to the State with the CCR and Certification Form.
Email – direct URL to CCR	CWS emails to each bill-paying customer a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet. A URL that navigates to a web page that requires a customer to search for the CCR or enter other information does not meet the “directly deliver” requirement. This method may only be used for customers when a CWS has a valid email address to deliver the CCR electronically. See Figure 2 in the Appendix. A copy of the email must be submitted to the State with the CCR and Certification Form.
Email – CCR sent as an attachment to email	CWS emails the CCR as an electronic file email attachment [e.g., portable document format (PDF)]. This method may only be used for customers when a CWS has a valid email address to deliver the CCR electronically. See Figure 3 in the Appendix. A copy of the email must be submitted to the State with the CCR and Certification Form.
Email – CCR sent as an embedded image in an email	CWS emails the CCR text and tables inserted into the body of an email (not as an attachment.) This method may only be used for customers when a CWS has a valid email address to deliver the CCR electronically. See Figure 4 in the Appendix. A copy of the email must be submitted to the State with the CCR and Certification Form.
Additional electronic delivery that meets “otherwise directly deliver” requirement	CWS delivers CCR through a method that “otherwise directly delivers” to each bill-paying customer and in coordination with the primacy agency. This category is intended to encompass methods or technologies not included above. CWSs and primacy agencies considering new methods or technologies should consult with the EPA to ensure it meets the intent of “otherwise directly deliver.”

- **Systems serving 100,000 or more persons must post the CCR on a publicly accessible Internet site using a direct URL that immediately opens to the full report..**
- **Systems serving 10,000 or more persons must distribute the CCR using a delivery method in the table above.**
- **Systems serving less than 10,000 persons but more than 500 persons must either:** (1) distribute the CCR using a delivery method in the table above **OR** (2) notify their customers that the CCR is not being mailed, but it will be in what newspaper(s) and when (attach copy of notice). The complete CCR should be printed in the local newspaper, and a copy of the CCR must be made available upon request. *(The 2<sup>nd</sup> option is not acceptable if using the CCR for Tier 3 Public Notification!)*
- **Systems serving 500 or fewer persons must either:** (1) distribute the CCR using a delivery method in the table above **OR** (2) notify their customers that the CCR is not being mailed, and a copy of the CCR must be made available upon request. *(The 2<sup>nd</sup> option is not acceptable if using the CCR for Tier 3 Public Notification!)* A copy of the notice must be submitted to the State with the CCR and Certification Form.

**Note:** Use of social media or automated phone calls DO NOT meet existing CCR distribution methods under the Rule.

## 3. Submit and certify a copy of the CCR and all supporting documentation (copy of notice, email, or bill example) through our ECERT Online Certification application in one PDF file

**ECERT Online Certification and Submittal of CCR:** <https://pws.ncwater.org/ECERT/pages/default.aspx>

The certification form on the previous page is not required for CCRs submitted through ECERT. For assistance with accessing ECERT please email [PWSS.CCR@deq.nc.gov](mailto:PWSS.CCR@deq.nc.gov) or go to <https://pws.ncwater.org/ECERT/pages/CCRHELP.pdf>

**If you do not have access to the internet,** you can mail your CCR, Certification form, and supporting documentation to: *Public Water Supply Section, 1634 Mail Service Center, Raleigh, NC 27699-1634, Attn: CCR Rule Manager* or FAX your CCR, Certification form, and supporting documentation to (919) 715-6637, *Attn: CCR Rule Manager*

## **\*\*Special Instructions for Systems Serving 500 or Fewer Persons**

**\*\*Systems that serve 500 or fewer customers do not need to directly deliver their CCR if they instead deliver a notice of availability to all customers that explains how they can obtain a copy. This is not an acceptable method if the CCR is being used to deliver a tier 3 public notice.**

**\*\*The notice could include the name and contact details of who customers should request a copy of the CCR from or it could include a direct URL to view the CCR if the report has been posted online. Examples of these are included below. The notice of availability must be directly delivered to each customer which can be done by mail, hand delivery, or including it with water bills.**

**\*\*When submitting your CCR to the State, you must include a copy of the notice of availability along with the full CCR report if this distribution method is used.**

### **\*\*Example Notice of Availability:**

**\*\*The Annual Drinking Water Quality Report for 2023 will not be distributed to each customer, but a copy is available upon request. Contact your water system representative, [insert Name] at [insert phone number with area code].**

**\*\*Note:** Water systems should provide a translation of this statement if >10 percent of the population served is non-English speaking. Here is a translation of the above example:

**\*\*El Informe Anual de Calidad de Agua Potable (Informe de Confianza del Consumidor) del año [YEAR] no se distribuirá a cada cliente, pero puede obtener una copia si la pide. Contacte al representante de su compañía de agua,[insert Name] al [insert phone number with area code] para pedir una copia .**

### **\*\*Example Notice of Direct URL:**

**\*\*The Annual Drinking Water Quality Report for 2023 will not be distributed to each customer, but the report can be viewed on our website at the following link: [insert link, ex. [www.yourwater.org/ccr](http://www.yourwater.org/ccr)]**

**\*\*Note:** Water systems should provide a translation of this statement if >10 percent of the population served is non-English speaking. Here is a translation of the above example:

**\*\*El Informe Anual de Calidad de Agua Potable (Informe de Confianza del Consumidor) del año [YEAR] no se distribuirá a cada cliente, pero puede ver el Informe en nuestra página electrónica en el enlace siguiente: [insert link, ex. [www.yourwater.org/ccr](http://www.yourwater.org/ccr)]**

## **\*\*Special Instructions for Systems that purchase water from another water system**

\*\*Water systems that purchase treated water from another water system are required to include information from their wholesalers CCR in their own CCR. If you purchase from multiple systems, then you must include this information for each of the systems that you purchase from.

\*\*Here are a couple options for including this information in your CCR:

1. Follow the CCR Template, including the selling systems source and SWAP information in your report, and at the end of the report attach the pages from your sellers CCR that show all their data tables and any violations they received. Make sure that the attached pages are clearly labeled to show which water system they belong to.
2. If the selling system posted their CCR on the internet, you can provide the direct URL to their CCR in your report. For example, in the section titled "when you turn on the tap, consider the source," you could add the following: "We purchase treated water from [XYZ Water System], and their annual report can be viewed at [XYZwatersystem.org/CCR]"
3. Coordinate with the selling system to include your table of results/violations, etc. within their annual report; you would still be required to deliver their report to all customers and submit the full report to ECERT but this would streamline the requirement of having to create a separate report.

**\*\*Note:** Systems that sell water to another water system, are required to provide a copy of their CCR to the systems that purchase from them by April 1<sup>st</sup> so that the purchase systems will be able to meet the July 1<sup>st</sup> CCR deadline. Purchasing and selling systems should coordinate with each other to confirm when the CCR information will be delivered to the purchasing systems.

# ***2023 Annual Drinking Water Quality Report*** ***TOWN OF POLLOCKSVILLE***

Water System Number:NC-04-52-015

We are pleased to present to you this year's Annual Drinking Water Quality Report. This report is a snapshot of last year's water quality. Included are details about your source(s) of water, what it contains, and how it compares to standards set by regulatory agencies. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water and to providing you with this information because informed customers are our best allies. **If you have any questions about this report or concerning your water, please contact [JJ. Chadwick](mailto:JJ.Chadwick@pollocksvillenc.gov) at 252-224-9831. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held at the Town of Pollocksville Town Hall located at 314 main Street Town. The meetings are held on the second Tuesday of each month at 0700pm.**

## **What EPA Wants You to Know**

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available 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. [Name of Utility] is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

To ensure that tap water is safe to drink, EPA prescribes regulations which 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.

## **When You Turn on Your Tap, Consider the Source**

The water that is used by this system is raw well water pumped from two underground wells that are drilled into the Castle Hayne Aquifer. [Well #1 is located at 125 Trent Street and Well #3B located behind Pollocksville Elementary School](#)

## Source Water Assessment Program (SWAP) Results

The North Carolina Department of Environmental Quality (DEQ), Public Water Supply (PWS) Section, Source Water Assessment Program (SWAP) conducted assessments for all drinking water sources across North Carolina. The purpose of the assessments was to determine the susceptibility of each drinking water source (well or surface water intake) to Potential Contaminant Sources (PCSs). The results of the assessment are available in SWAP Assessment Reports that include maps, background information and a relative susceptibility rating of Higher, Moderate or Lower.

The relative susceptibility rating of each source for **Town of Pollocksville** was determined by combining the contaminant rating (number and location of PCSs within the assessment area) and the inherent vulnerability rating (i.e., characteristics or existing conditions of the well or watershed and its delineated assessment area). The assessment findings are summarized in the table below:

Source Name	Susceptibility Rating	SWAP Report Date
Well, # 1	Moderate	September 2020
Well, #3B	Moderate	September 2020

The complete SWAP Assessment report for [SYSTEM NAME] may be viewed on the Web at: <https://www.ncwater.org/?page=600> Note that because SWAP results and reports are periodically updated by the PWS Section, the results available on this website may differ from the results that were available at the time this CCR was prepared. If you are unable to access your SWAP report on the web, you may mail a written request for a printed copy to: Source Water Assessment Program – Report Request, 1634 Mail Service Center, Raleigh, NC 27699-1634, or email requests to [swap@deq.nc.gov](mailto:swap@deq.nc.gov). Please indicate your system name, number, and provide your name, mailing address and phone number. If you have any questions about the SWAP report, please contact the Source Water Assessment staff by phone at (919) 707-9098.

It is important to understand that a susceptibility rating of “higher” does not imply poor water quality, only the system’s potential to become contaminated by PCSs in the assessment area.

### Help Protect Your Source Water

Protection of drinking water is everyone’s responsibility. We have implemented the following source water protection actions: [Well Head protection program](#)

You can help protect your community’s drinking water source(s) in several ways: (examples: dispose of chemicals properly; take used motor oil to a recycling center, volunteer in your community to participate in group efforts to protect your source, etc.).

### Violations that Your Water System Received for the Report Year

During 2023, or during any compliance period that ended in 2023, we received a [Tier 1](#) violation that covered the time of May 9, 2023. We are/ and have [performed all required compliance steps required by the NC Dept. of Water Quality](#) to ensure this does not happen again.

The following steps by the Town of Pollocksville were to completed for the Tier 1 violation:

- 1- A Boil Water Notice was hand delivery to all residences and businesses that potable water was supplied to by the Town
- 2- Violation awareness date was: May 6, 2023
- 3- Date Notice Was Distributed: May 8, 2023
- 4- Flushing of the Town of Pollocksville Potable Water system was performed starting on May 6, 2023
- 5- Repeat Sampling of the test site was performed and as required by the state a new sample was taken upstream of the original site and downstream of the site on May 07, 2023
- 6- Samples were taken of the two raw water wells that supply the Towns treatment plant on May 07, 2023
- 7- All REPEAT SAMPLES WERE NEGATIVE FOR TOTAL COLIFORM AND E.COLI EXCEPT WELL #1
- 8- THE BOIL WATER NOTICE WAS RESCINDED ON MAY 09, 2023 BY HAND DELIVERY
- 9- Well # 1 was disinfected using chlorine bleach required by the state and the well was retested for total coliform and E.coli and was found NEGATIVE FOR BOTH
- 10- All required documents were submitted to NCDEQ as required and
- 11- A NC Dept. of Environmental Quality Assessment was performed by the Town and by staff from NCDEQ
- 12- All required steps were approved by NCDEQ, and no further action required by Town Of Pollocksville

## IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Violation Awareness Date: \_\_\_\_\_

*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the compliance period specified in the table below, we [**did not monitor or test** or **did not complete all monitoring or testing**] for the contaminants listed and therefore cannot be sure of the quality of your drinking water during that time.*

CONTAMINANT GROUP**	FACILITY ID NO./ SAMPLE POINT ID	COMPLIANCE PERIOD BEGIN DATE	NUMBER OF SAMPLES/ SAMPLING FREQUENCY	WHEN SAMPLES WERE TAKEN (Returned to Compliance)

\*\*Delete the contaminant listings below that do not apply to your violations.

**(AS) Asbestos** - includes testing for Chrysotile, Amphibole and Total Asbestos.

**(BA) Total Coliform Bacteria** - includes testing for Total Coliform bacteria and Fecal/*E.coli* bacteria. Testing for Fecal/*E.coli* bacteria is required if total coliform is present in the sample.

**(BB) Bromate/Bromide** - includes testing for Bromate and/or Bromide.

**(CD) Chlorine Dioxide/Chlorite** - includes testing for Chlorine Dioxide and/or Chlorite.

**(DI) Disinfectant Residual** must be tested with the collection of each compliance bacteriological sample, at the same time and site.

**Fecal Indicators** - includes *E.coli*, enterococci or coliphage.

**(HAA5)- Haloacetic Acids** - include Monochloroacetic Acid, Dichloroacetic Acid, Trichloroacetic Acid, Monobromoacetic Acid, Dibromoacetic Acid.

**(IOC) Inorganic chemicals** - include Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cyanide, Fluoride, Iron, Manganese, Mercury, Nickel, pH, Selenium, Sodium, Sulfate, and Thallium.

**(LC) Lead and Copper** are tested by collecting the required number of samples and testing each of the samples for both lead and copper.

**(NT) Nitrate/ (NI) Nitrite** - includes testing for nitrate and/or nitrite.

**(RA) Radionuclides** - includes Gross Alpha, Radon, Uranium, Combined Radium, Radium 226, Radium 228, Potassium 40 (Total), Gross Beta, Tritium, Strontium 89, Strontium 90, Iodine 131, and Cesium 134.

**(SOC) - Synthetic Organic Chemicals/Pesticides** - include 2,4-D, 2,4,5-TP (Silvex), Alachlor, Atrazine, Benzo(a)pyrene, Carbofuran, Chlordane, Dalapon, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate, Dibromochloropropane (DBCP), Dinoseb, Endrin, Ethylene dibromide (EDB), Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, Oxamyl(vydate), PCBs, Pentachlorophenol, Picloram, Simazine, Toxaphene.

**(TOC) - Total Organic Carbon** - includes testing for Alkalinity, Dissolved Organic Carbon (DOC), Total Organic Carbon (TOC) and Ultraviolet Absorption 254 (UV254). Source water samples must be tested for both TOC and Alkalinity. Treated water samples must be tested for TOC. Source water samples and treated water samples must be collected on the same day.

**(TTHM) - Total Trihalomethanes** - include Chloroform, Bromoform, Bromodichloromethane, and Dibromochloromethane.

**(VOC) - Volatile Organic Chemicals** - include 1,2,4-Trichlorobenzene, Cis-1,2-Dichloroethylene, Xylenes (Total), Dichloromethane, o-Dichlorobenzene, p-Dichlorobenzene, Vinyl Chloride, 1,1,-Dichloroethylene, Trans-1,2,-Dichloroethylene, 1,2-Dichloroethane, 1,1,1-Trichloroethane, Carbon Tetrachloride, 1,2-Dichloropropane, Trichloroethylene, 1,1,2-Trichloroethane, Tetrachloroethylene, Chlorobenzene, Benzene, Toluene, Ethylbenzene, and Styrene.

**(WQP) Water Quality Parameters** (for Lead and Copper Rule) - includes Calcium, Orthophosphate (as PO<sub>4</sub>), Silica, Conductivity, pH, Alkalinity and Water Temperature.

**What should I do?** There is nothing you need to do at this time.

**What is being done?** [Describe corrective action.]

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

For more information about this violation, please contact the responsible person listed in the first paragraph of this report.

## **Important Drinking Water Definitions:**

**Not-Applicable (N/A)** – Information not applicable/not required for that particular water system or for that particular rule.

- **Non-Detects (ND)** - Laboratory analysis indicates that the contaminant is not present at the level of detection set for the particular methodology used.
  - **Parts per million (ppm) or Milligrams per liter (mg/L)** - One part per million corresponds to one minute in two years or a single penny in \$10,000.
  - **Parts per billion (ppb) or Micrograms per liter (ug/L)** - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
  - **Parts per trillion (ppt) or Nanograms per liter (nanograms/L)** - One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.
  - **Parts per quadrillion (ppq) or Picograms per liter (picograms/L)** - One part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.
  - **Picocuries per liter (pCi/L)** - Picocuries per liter is a measure of the radioactivity in water.
  - **Million Fibers per Liter (MFL)** - Million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.
  - **Nephelometric Turbidity Unit (NTU)** - Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
  - **Variations and Exceptions** – State or EPA permission not to meet an MCL or Treatment Technique under certain conditions.
  - **Action Level (AL)** - 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.
  - **Maximum Residual Disinfection 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 Disinfection 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.
  - **Locational Running Annual Average (LRAA)** – The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters under the Stage 2 Disinfectants and Disinfection Byproducts Rule.
  - **Running Annual Average (RAA)** – The average of sample analytical results for samples taken during the previous four calendar quarters.
  - **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 (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.
  - **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.
-



## Water Quality Data Tables of Detected Contaminants

We routinely monitor for over 150 contaminants in your drinking water according to Federal and State laws. The tables below list all the drinking water contaminants that we detected in the last round of sampling for each particular contaminant group. The presence of contaminants does not necessarily indicate that water poses a health risk. **Unless otherwise noted, the data presented in this table is from testing done January 1 through December 31, 2023.** The EPA and the State allow 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. Some of the data, though representative of the water quality, is more than one year old.

### REVISED TOTAL COLIFORM RULE:

#### Microbiological Contaminants in the Distribution System

Contaminant (units)	MCL Violation Y/N	Number of Positive/Present Samples	MCLG	MCL	Likely Source of Contamination
Total Coliform Bacteria (presence or absence)	No	N/A	N/A	TT*	Naturally present in the environment
<i>E. coli</i> (presence or absence)	Yes	ONE	0	Routine and repeat samples are total coliform-positive and either is <i>E. coli</i> -positive, or system fails to take repeat samples following <i>E. coli</i> -positive routine sample or system fails to analyze total coliform-positive repeat sample for <i>E. coli</i>  <u>Note:</u> If either an original routine sample and/or its repeat samples(s) are <i>E. coli</i> positive, a Tier 1 violation exists.	Human and animal fecal waste

\* If a system collecting fewer than 40 samples per month has two or more positive samples in one month, an assessment is required.

*E. coli* are bacteria whose presence indicates that the water may be contaminated with human or animal waste. 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 elderly, and people with severely compromised immune systems.

We had an *E. coli*-positive repeat sample following a total coliform-positive routine sample.

During the past year a *E.coli* Maximum Contaminat Level (MCL) Tier 1 Violation assessments were required to be completed for our water system. All assessments were completed. In addition, we were required to take corrective actions and we completed these actions.

#### Required Assessment due to an E. Coli MCL Violation

*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 elderly, and people with severely compromised immune systems. We found *E. coli* bacteria, indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments. We were required to complete a Level 2 assessment because we found *E. coli* in our water system.

#### Microbiological Contaminants in the Source Water

Fecal Indicator	Number of "Positive/Present" Samples	Date(s) of fecal indicator-positive source water samples	Source of fecal contamination, if known	Significant Deficiency Cited by the State? Y/N (If "Y", see explanation below)	MCLG	MCL	Likely Source of Contamination
<i>E. coli</i> , (presence or absence)	ONE	05/08/23	UNKNOWN	NO	0	0	Human and animal fecal waste
<i>enterococci</i> or coliphage (presence or absence)					N/A	TT	Human and animal fecal waste

(A) Has the fecal contamination in the ground water source been addressed under §141.403(a)? "Yes"  
Date Corrective Action Completed (if applicable): 5/09/23

(B) The potential health effects from the health effects language from Appendix A of Subpart O are as follows:

***E.coli - Fecal coliforms and E.coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.***

***Fecal Indicators (enterococci or coliphage) - Fecal indicators are microbes whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term health effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.***

## Inorganic Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water/Not Detected	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Arsenic (ppb)	04/06/23	NO	ND			0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	04/06/23	NO	ND			2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium (ppb)	04/06/23	NO	ND			4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	04/06/23	NO	ND			5	5	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	04/06/23	NO	ND			100	100	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide (ppb)	04/06/23	NO	ND			200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride (ppm)	04/06/23	YES	0.22MG/L			4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Mercury (inorganic) (ppb)	04/06/23	NO	ND			2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Selenium (ppb)	04/06/23	NO	ND			50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Thallium (ppb)	04/06/23	NO	ND			0.5	2	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

***Arsenic: While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.***

## Nitrate/Nitrite Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water/NOT DETECTED	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Nitrate (as Nitrogen) (ppm)	08/08/23	NO	ND	N/A		10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite (as Nitrogen) (ppm)	08/08/23	NO	ND	N/A		1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

**Nitrate:** Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

### Volatile Organic Chemical (VOC) Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water/NOT DETECTED	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Benzene (ppb)	04/06/23	NO	ND			0	5	Discharge from factories; leaching from gas storage tanks and landfills
Carbon tetrachloride (ppb)	04/06/23	NO	ND			0	5	Discharge from chemical plants and other industrial activities
Chlorobenzene (ppb)	04/06/23	NO	ND			100	100	Discharge from chemical and agricultural chemical factories
o-Dichlorobenzene (ppb)	04/06/23	NO	ND			600	600	Discharge from industrial chemical factories
p-Dichlorobenzene (ppb)	04/06/23	NO	ND			75	75	Discharge from industrial chemical factories
1,2 – Dichloroethane (ppb)	04/06/23	NO	ND			0	5	Discharge from industrial chemical factories
1,1 – Dichloroethylene (ppb)	04/06/23	NO	ND			7	7	Discharge from industrial chemical factories
cis-1,2-Dichloroethylene (ppb)	04/06/23	NO	ND			70	70	Discharge from industrial chemical factories
trans-1,2-Dichloroethylene (ppb)	04/06/23	NO	ND			100	100	Discharge from industrial chemical factories
Dichloromethane (ppb)	04/06/23	NO	ND			0	5	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane (ppb)	04/06/23	NO	ND			0	5	Discharge from industrial chemical factories
Ethylbenzene (ppb)	04/06/23	NO	ND			700	700	Discharge from petroleum refineries
Styrene (ppb)	04/06/23	NO	ND			100	100	Discharge from rubber and plastic factories; leaching from landfills
Tetrachloroethylene (ppb)	04/06/23	NO	ND			0	5	Discharge from factories and dry cleaners
1,2,4 –Trichlorobenzene (ppb)	04/06/23	NO	ND			70	70	Discharge from textile-finishing factories
1,1,1 – Trichloroethane (ppb)	04/06/23	NO	ND			200	200	Discharge from metal degreasing sites and other factories
1,1,2 –Trichloroethane (ppb)	04/06/23	NO	ND			3	5	Discharge from industrial chemical factories
Trichloroethylene (ppb)	04/06/23	NO	ND			0	5	Discharge from metal degreasing sites and other factories
Toluene (ppm)	04/06/23	NO	ND			1	1	Discharge from petroleum factories
Vinyl Chloride (ppb)	04/06/23	NO	ND			0	2	Leaching from PVC piping; discharge from plastics factories
Xylenes (Total) (ppm)	04/06/23	NO	ND			10	10	Discharge from petroleum factories; discharge from chemical factories

### Lead and Copper Contaminants

Contaminant (units)	Sample Date	Your Water (90 <sup>th</sup> Percentile)	Number of sites found above the AL	MCLG	AL	Likely Source of Contamination
Copper (ppm) (90 <sup>th</sup> percentile)	9/26/22	0.744	0	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 <sup>th</sup> percentile)	9/26/22	5.0 PPB	0	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

### Total Trihalomethanes (TTHM) and Haloacetic Acids (five) (HAA5)

Contaminant (units)	Year Sampled	MCL Violation Y/N	Your Water (highest LRAA)	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
TTHM (ppb)	08/17/23	NO				N/A	80	Byproduct of drinking water disinfection
Location (Ex. B01)			NOT DETECTED	0				
Location (Ex. BO2)			NOT DETECTED	0				
HAA5 (ppb)	08/17/23	NO				N/A	60	Byproduct of drinking water disinfection
Location (Ex. B01)			0.0149	45 ppb (corrected)				
Location (Ex. BO2)			NOT DETECTED					

*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.*

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

The PWS Section requires monitoring for other misc. contaminants, some for which the EPA has set national secondary drinking water standards (SMCLs) because they may cause cosmetic effects or aesthetic effects (such as taste, odor, and/or color) in drinking water. The contaminants with SMCLs normally do not have any health effects and normally do not affect the safety of your water.

### Other Miscellaneous Water Characteristics Contaminants

Contaminant (units)	Sample Date	Your Water/NOT DETECHED/ ABOVE RRL	Range		SMCL
			Low	High	
Iron (ppm)	04/06/23	NO			0.3
Manganese (ppm)	04/06/23	NO			0.05
Nickel (ppm)	04/06/23	NO			N/A
Sodium (ppm)	04/06/23	8.119MGL			N/A
Sulfate (ppm)	04/06/23	NO			250
pH	04/06/23	7.2PH			6.5 to 8.5

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted.