

Williamsburg Water Department
2023 Water Quality Report

Manager: Ronnie Rose
Address: PO Box 119 Williamsburg, KY 40769
Meetings: City Hall / 2nd Monday each month at 5:00 pm

CCR Contact: Ronnie Rose

PWSID: KY1180471
Phone: 606-549-6040



Our water source is surface water from the Cumberland River. Water is withdrawn from the river and processes to U.S.EPA drinking water standards at our water treatment plant. During the treatment process particulate matter is settled and oxidation is used to remove contaminants after which the water is filtered and disinfected with chlorine to further protect public health. As part of a multi barrier approach to safeguard the public, land uses within the watershed have been assessed to better understand their potential impact to water quality and to assign a susceptibility rating. The susceptibility rating for our source is moderate which is derived by evaluating the toxicity, proximity to the intake and likelihood of potential contaminate sources to be released. These sources include mining, construction, wastewater discharges, straight pipe sewage, solid waste disposal, transportation along roadways / rail that transect the watershed and chemical storage. Activities and land use within the watershed can pose potential risks to your drinking water. Under certain circumstances contaminants could be released that would pose challenges to water treatment or even get into your drinking water. These activities, and how they are conducted, are of interest to our customers because they potentially affect your health and the cost of treating your water. The complete source water assessment can be reviewed at the Williamsburg Water Treatment Plant located at 440 Croley Bend Road, Williamsburg, KY.

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 may be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

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 may 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, (sewage plants, septic systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from stormwater runoff, wastewater discharges, oil and gas production, mining, or farming). Pesticides and herbicides, (stormwater runoff, agriculture or residential uses). Organic chemical contaminants, including synthetic and volatile organic chemicals, (by-products of industrial processes and petroleum production, or from gas stations, stormwater runoff, or septic systems). Radioactive contaminants, (naturally occurring or from oil and gas production or mining activities). In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water to provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their 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).

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. Your local water system 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 your local water system. 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>.

Some or all of these definitions may be found in this report:

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.

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.

Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

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, ($\mu\text{g/L}$). One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) - 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) - 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) - a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health effects. However, turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.

Variances & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system shall follow.

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

Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data in this table, though representative, may be more than one year old. **Copies of this report are available upon request by contacting our office during business hours.**

Regulated Contaminant Test Results Williamsburg Water Department

Contaminant [code] (units)	MCL	MCLG	Report Level	Range of Detection	Date of Sample	Violation	Likely Source of Contamination
Inorganic Contaminants							
Barium [1010] (ppm)	2	2	0.033	0.033 to 0.033	Apr-23	No	Drilling wastes; metal refineries; erosion of natural deposits
Fluoride [1025] (ppm)	4	4	0.84	0.84 to 0.84	Apr-23	No	Water additive which promotes strong teeth

Disinfectants/Disinfection Byproducts and Precursors

Total Organic Carbon (ppm) (measured as ppm, but reported as a ratio)	TT*	N/A	1.11 (lowest average)	0.62 to 1.88 (monthly ratios)	2023	No	Naturally present in environment.
*Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average must be 1.00 or greater for compliance.							
Chlorine (ppm)	MRDL = 4	MRDLG = 4	1.68 (highest average)	1.01 to 2.07	2023	No	Water additive used to control microbes.
HAA (ppb) (Stage 2) [Haloacetic acids]	60	N/A	46 (high site average)	15 to 65 (range of individual sites)	2023	No	Byproduct of drinking water disinfection
TTHM (ppb) (Stage 2) [total trihalomethanes]	80	N/A	48 (high site average)	11 to 92 (range of individual sites)	2023	No	Byproduct of drinking water disinfection.

Household Plumbing Contaminants

Copper [1022] (ppm) Round 1 sites exceeding action level 0	AL = 1.3	1.3	0.05 (90 th percentile)	0 to 0.078	Jul-23	No	Corrosion of household plumbing systems
Lead [1030] (ppb) Round 1 sites exceeding action level 0	AL = 15	0	0 (90 th percentile)	0 to 2	Jul-23	No	Corrosion of household plumbing systems

Other Constituents

Turbidity (NTU) TT * Representative samples	Allowable Levels	Highest Single Measurement	Lowest Monthly %	Violation	Likely Source of Turbidity
Turbidity is a measure of the clarity of the water and not a contaminant.	No more than 1 NTU* Less than 0.3 NTU in 95% of monthly samples	0.115	100	No	Soil runoff
Fluoride (added for dental health)		Average		Range of Detection	
		0.9	0.67 to 1.04		
Sodium (EPA guidance level = 20 mg/L)		14.5	14.5 to 14.5		

Secondary contaminants do not have a direct impact on the health of consumers. They are being included to provide additional information about the quality of the water.

Secondary Contaminant	Maximum Allowable Level	Report Level	Range of Detection	Date of Sample
Chloride	250 mg/l	7.7	7.7 to 7.7	Mar-23
Corrosivity	Noncorrosive	-1.6	-1.6 to -1.6	Mar-23
Fluoride	2.0 mg/l	0.87	0.87 to 0.87	Mar-23
Odor	3 threshold odor number	1	1 to 1	Mar-23
pH	6.5 to 8.5	7.03	7.03 to 7.03	Mar-23
Sulfate	250 mg/l	75.4	75.4 to 75.4	Mar-23
Total Dissolved Solids	500 mg/l	164	164 to 164	Mar-23

CITY OF WILLIAMSBURG
 PO BOX 119
 WILLIAMSBURG, KY 40769
 (606) 549-6036

ACCOUNT [REDACTED] 02/05/24 TO 03/05/24
 SERVICE AT 3505 North Highway 25w

FIRST CLASS MAIL
 U.S. POSTAGE PAID
 WILLIAMSBURG, KY 40769
 PERMIT NO. 2

TYPE	PRESENT	PREVIOUS	USAGE	CHARGES
BF	Balance Forward			-9.70
SW	12698000	12679000	19000	153.52
SE	RES OUT 3/4" SVC CHG			4.62
CLASS	AMOUNT DUE AFTER DUE DATE	DUE DATE	AMOUNT DUE ON OR BEFORE DUE DATE	
G01	162.82	03/27/24	148.44	

PLEASE BRING ENTIRE BILL TO OFFICE OR MAIL THIS WITH PAYMENT

ACCOUNT		DUE DATE
[REDACTED]		03/27/24
AMOUNT DUE ON OR BEFORE DUE DATE	SAVE THIS	AMOUNT DUE AFTER DUE DATE
148.44	14.38	162.82

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Issued 03/07/24

ENCLOSE THIS STUB
WHEN PAYING BY MAIL
FOR PROPER CREDIT

CITY OF WILLIAMSBURG
PO BOX 119
WILLIAMSBURG, KY 40769
(606) 549-6036

FOR YOUR CONVENIENCE
OUR NIGHT DEPOSIT IS LOCATED
IN THE DRIVE THRU AT CITY HALL

WE NOW ACCEPT ONLINE PAYMENTS!
GO TO www.williamsburgky.com

PLEASE INCLUDE YOUR ACCOUNT NO.
ON ALL PAYMENTS

THANK YOU

NOT RESPONSIBLE FOR MAIL DELIVERY

GO TO www.tapwaterinfo.com/williamsburg.pdf
FOR IMPORTANT INFORMATION REGARDING
YOUR ANNUAL DRINKING WATER QUALITY REPORT.
OR CALL 606-549-6040 TO REQUEST A COPY.

PLEASE MAKE PAYMENTS PAYABLE TO:

CITY OF WILLIAMSBURG

PO BOX 119

WILLIAMSBURG, KY 40769

(606) 549-6036

BUSINESS HOURS:

MONDAY - FRIDAY 8:30 A.M TO 4:30 P.M.

FOR YOUR CONVENIENCE OUR NIGHT DEPOSIT

IS LOCATED IN THE DRIVE THRU AT CITY HALL

THIS BILL IS NOW DUE AND PAYABLE

- FAILURE TO RECEIVE BILL DOES NOT EXCUSE PAYMENT OR LIABILITY
- A 10% PENALTY IS ADDED MONTHLY TO ANY BALANCE DUE AFTER ORIGINAL DATE.
- \$25.00 SERVICE CHARGE IF DISCONNECTED.
- BRING ENTIRE BILL WITH YOU WHEN PAYING AT OFFICE
- **DUE DATE DOES NOT APPLY TO PREVIOUS BALANCE**
- PLEASE INCLUDE YOUR ACCOUNT NO. ON ALL PAYMENTS

CODES: WT = WATER

SW = SEWER

UC (USAGE CODES):

E = ESTIMATED

M = METER CHANGE

Water Quality – Consumer Confidence Report “Good Faith Effort”

System: Williamsburg Water Department
 PWSID#: KY1180471 AI#: 4217

State and Federal regulations require that a community water system provide an annual report to its customers containing information on the quality of the water delivered by the system. The report must also include the risks from exposure to contaminants detected in the drinking water.

The water system must also make a good-faith effort to reach consumers who do not get water bills. A good-faith effort is to be tailored to the consumer who is served by the system but is not a bill-paying customer, such as a renter or worker.

Date	Name of Facility
3-13-24	W/CWD Sandy
3-13-24	C/FHWD Kim anderkin
3-13-24	W/CIS Left with Resource officer
3-13-24	WHA Front office
3-13-24	CITY HALL Gina Hamblin
3-13-24	Firestone Guard Shack
3-13-24	HEALTH DEPT FRONT WINDOW
3-13-24	UNIVERSITY OF THE CUMBERLANDS Zack
3-13-24	WHITLEY COUNTY JUDICIAL CENTER HOMER HUBBARD
3-13-24	WHITLEY COUNTY COURT HOUSE CAROLYN
3-13-24	WALMART SERVICE DESK
3-13-24	WHITLEY COUNTY DETENTION CENTER GUARD AT FRONT DESK
3-13-24	WATER PARK KY. SPLASH DIANE
3-13-24	THE STORE FRONT COUNTER

I, the undersigned, confirm that a copy of the Consumer Confidence Report was prepared and distributed to the above listed facilities. Information contained in the report furnished to the facilities is identical to information provided to the billed consumers.

Printed Name: Ronnie Rose

Signature: 

Date: 3-17-2024

Consumer Confidence Report (CCR) Certification Calendar Year 2023

PWS Name: Williamsburg Water Department PWSID#: KY1180471 Agency Interest#: 4217

Population Served: 5,554

Wholesaler data due to purchasers no later than April 1, unless a contract agreeing to later date is submitted with certification.
Wholesaler data met the April 1 deadline. Not applicable:

Systems serving less than 500: Need only to notify customers by July 1 that the report is available upon request. Indicate how customers were notified and how the report was made available upon request.
 Copy attached Date: _____

Systems with populations greater than 500: Must use at least one Primary and one Secondary distribution method.

Primary Distribution Method(s):

- Hand Delivery to all customers
- Mailed to all customers
- Published in Newspaper (full page of newspaper must be submitted)
Newspaper may be used as the primary distribution method for systems with populations less than 10,000. A copy of how customers were notified that CCR would be mailed upon request must be submitted.
- Posted on Internet
Website URL: www.tapwaterinfo.com/williamsburg.pdf
Copy of website availability notice must be submitted (water bill, insert, etc.)
- Electronic Delivery (email notification)
Electronic notification requires documentation of subject line, the number of emails sent and the number of bounce back emails, and a statement that indicates bounce back customers were mailed hardcopies of CCR.

Secondary Distribution Method(s):

- Posted in Public Places in Community
- Delivered to Community Organizations
- Multiple Copies to Apts or Employers, etc.
- Mailed to postal patrons in service area
- Published in Newspaper
- Advertised availability in news media
(N/A if Internet or E-delivery was primary distribution method)
- Posted on Local Website
Website URL: _____
(N/A if Internet or E-delivery was primary distribution method)
- Other (attach description or explanation of method)

This notice confirms that a Consumer Confidence Report was prepared and distributed according to the requirements for our system and appropriate notices of availability were given. To the best of my knowledge, the report contains information that is correct and consistent with the compliance monitoring data previously submitted to the Kentucky Division of Water. The copy of the report furnished to the Kentucky Division of Water is identical to the information provided to the customers.

Primary Distribution Date(s): 3-7-2024
Secondary Distribution Date(s): 3-13-2024

Printed Name: Ronnie Rose Title: Plant Supervisor
Signature: *Ronnie J. Rose* Date: 03-17-2024
Address: PO Box 119 City, State, Zip: Williamsburg, KY 40769
Phone: 606-549-6040 Email: wbrgwater@gmail.com