



VILLAGE OF ADAMS 2018 WATER QUALITY REPORT



"THE ARBOR DAY VILLAGE"

This pamphlet contains important information about your drinking water. It is a summary of the year 2018 with regards to the results of testing, system information, drinking water information and drinking water safety. The Village of Adams is committed to providing it's customers with high quality drinking water that meets or surpasses state and federal standards for quality and safety. If you would like to know more about the Village of Adams Water Department please call Rick Bisig at 232-4520 or Ronald McNitt at 232-4523. The Village of Adams' Main Office is located at 3 South Main Street in the Village. Monthly Board Meetings are held on the third Monday of the month in the Board Room of the Main Office.

SOURCE, SUPPLY AND TREATMENT

THE VILLAGE OF ADAMS SERVES APPROXIMATELY 3,300 PEOPLE. THIS NUMBER ALSO REPRESENTS CUSTOMERS SERVED IN THE ADAMS CENTER WATER DISTRICT. FOR THE YEAR 2018, WE TREATED 151,852,000 GALLONS OF WATER AND BILLED CUSTOMERS FOR 130,116,088 GALLONS. ESTABLISHMENTS SUCH AS CHURCHES, CEMETERIES, MUNICIPALLY OWNED BUILDINGS, SYSTEM FLUSHING, AND FIRE USAGE IS NOT INCLUDED IN THE GALLONS BILLED. THE VILLAGE HAS TWO WATER SOURCES : THE ROUTE #11 WATER SOURCES AND THE EAST CHURCH STREET WATER SOURCE, BOTH WELLS AND AN INFILTRATION SYSTEM. AFTER WATER IS PUMPED FROM THE SOURCES IT IS TREATED WITH CHLORINE AND FLUORIDE. IT IS MONITORED DAILY TO INSURE SAFE DOSAGES. IN THE SUMMER OF 2017, THE VILLAGE COMPLETED 4 NEW WELLS, 1 AT EFI AND 3 AT COUNTRY VIEW PLANT.

Notes: The village of Adams average water hardness is approx. 17 grains.

DRINKING WATER SOURCES

The sources of drinking water (both tap 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, 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 sources 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 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.

IS OUR WATER SAFE FOR EVERYONE?

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. EPA guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia, and other microbial contaminants are available from the Safe Drinking Water Hotline 800-426-4791.

SUBSTANCES IN YOUR DRINKING WATER

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. In nature, all water contains some impurities. Some of these substances are harmless. Some people prefer mineral water because minerals give the water an appealing taste. 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. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at 800-426-4791 or your local NYS Health Department at 785-2277.

SUBSTANCE VIOLATION	TEST DATE	HIGHEST LEVEL DETECTED	UNITS	MCLG	HIGHEST LEVEL ALLOWED	SOURCES OF CONTAMINANT
Barium	No 10/18/2018 E. Church St. 10/18/2018 Route #11	0.08 0.04	Ug/L	2 2	2 2	Erosion of natural deposits, discharge of drilling wastes.
Fluoride	No 7/31/2018 E.Church St. 1/29/2018 Route #11	1.1 1.0	ppm	N/A N/A	2.2 2.2	Erosion of natural deposits, Water additive which promotes strong teeth.
Copper	No Within water system 6/21/2017	0.201	ppm	0	AL-1.3	Corrosion of household plumbing, erosion of natural deposits, leaching from wood preservatives
Lead	No Within water system 6/21/2017	0.002	ppm	0	AL-.015	Corrosion of household plumbing systems, erosion of natural deposits
Nitrate	No 11/06/2018 E. Church St. 11/06/2018Route #11 WP	1.99 0.85	ppm	10	10	Runoff from fertilizer use. Leaching from septic tanks, sewage. Erosion of natural deposits.
TTHM (Total - chloroform, bromodichloromethane, dibromochloromethane, and bromoform.)	No 8/11/2018Dunkin Donuts West Church St. 8/31/2018Municipal bid.3 South Main St.	Chloroform 1.0ug/L Bromo 1.3 ug/L Dibromo. 2.4 ug/L Bromoform 1.8 ug/L Chloroform 1.5 ug/L Bromo.11.4 ug/L Dibromo. 6.3ug/L Bromoform 2.4	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.
HAAS (Haloacetic Acid)Chloroacetic, trichloroacetic, Dichloroacetic, Bromoacetic, Dibromo-chloromethane.	No 8/31/2018Dunkin Donuts West Church St. 8/31/2018Municipal bid. 3 South main St.	Chloro.4.1 ug/L Trichlo. NDug/L Dichlo. 1.2 ug/L Bromo. NDug/L Dibro. 1.5 ug/L Chloro. 4.0 ug/L Trichlo. ND ug/L Dichlo. 1.4 ug/L Bromo. NDug/L Dibro. 4.4 ug/L	Ug/L	N/A		By-product of drinking water chlorination needed to kill harmful organisms. HAAS's are formed when source water contains large amounts of organic matter.
Gross Alpha Activity	No Country View Plant 12/8/2016 RT.11 Plant 12/8/2016	2.80 2.90	PCI/L	0	15	Erosion of natural products
Gross Beta Particles	No 03/29/2012 DPW Garage 3/29/2012E. Church St.	<0.2 <0.2	PCI/L	0	50*	Decay of natural products and man-made emissions
Combined radium-226 and 228	No Country View Plant 12/8/2016 RT.11 Plant 12/8/2016	1.11 1.30	PCI/L	0	5	Erosion of natural deposits

Listed are the contaminants detected in the water supply. Not listed are over 70 Synthetic Organic Compounds and 10 Inorganic contaminants for which were tested but were not detected.

Table definitions

- ppm parts per million or milligrams per liter
- ppb /ug/L parts per billion or micrograms per liter
- MCLG The level of contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.
- MCL The highest level of a contaminant that is allowed in the drinking water. MCL's are set as close to the MCLG as possible using the best available technology.
- N/A Heading not applicable to this substance
- AL Action Level. The concentration of a contaminant, which if exceeded, triggers a treatment that a water system must follow.
- PCI/L Picocuries per liter-a measure of the radioactivity in water
- The State considers 50 PCI/L to be the level of concern for beta particles.
- MF/L Million Fibers per Liter

CONSERVATION

The Village of Adams encourages water conservation. Although we have a good source of water it must not be wasted.

Below are a few steps to preserve our source:

- use low flow shower heads and faucets
- repair all leaks in your plumbing system
- do only full loads of wash and dishes
- wash cars with a bucket, hose and nozzle
- turn off tap when brushing your teeth

COMPARISONS

Consider the following comparisons:
1 gallon of store bought water = \$1.79
2 liter bottle of soda = \$1.99

Your Tap Water = average \$ 0.003/ gallon delivered to your door!

Our system is one of the many drinking water systems in New York State that provides drinking water with a controlled, low level of fluoride for consumer dental health protection.

According to the United States Centers for Disease Control, fluoride is very effective in preventing cavities when present in drinking water at an optimal range from 0.7 to 1.2 mg/l (parts per million). To ensure that the fluoride supplements in your water provide optimal dental protection, the State Department of Health requires that we monitor fluoride levels on a daily basis. During 2018 our monitoring showed fluoride levels in your water were in the optimal range.



WATER USE RATES

Within the population served by the Village's water supply there is a varied rate structure. The following figures represent a **yearly charge** for the minimum quarterly usage of 8,000 gallons or yearly 32,000 gallons.

Within the Village limits	\$101.32 with a \$2.33/1000 gallons beyond minimum and a \$120 debt charge
Outside Village limits	\$373.36with a fee of \$5.83/1000gallons beyond minimum.
Adams Center Water District	\$4.50/1000 gallons

