

Annual Drinking Water Quality Report

Borough of Woodbury Heights Water Department

For the Year 2023 Results from the Year 2022

We are pleased to present to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. 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. Our water source is a Potomac Raritan Magothy Aquifer well which is approximately 150 feet deep, and we purchase water from New Jersey American Water Company. Gas chlorine is used for disinfection purposes to remove or reduce harmful contaminants that may come from the source water.

We are pleased to report that our drinking water meets all federal and state safety requirements.

The New Jersey Department of Environmental Protection (NJDEP) has completed and issued the Source Water Assessment Report and Summary for this public water system, which is available at WWW.state.nj.us/dep/swap or by contacting NJDEP's Bureau of Safe Drinking Water at (609) 292-5550. You may also contact your public water system to obtain information regarding your water system's Source Water Assessment. This water systems source water susceptibility ratings and a list of potential contaminant sources is attached.

If you have any questions about this report or concerning your drinking water, please contact the water dept. by calling (856)-848-2832 or by writing to this address: 500 Elm Avenue, Woodbury Heights, NJ 08097. We want our valued customers to be informed about their water utility. You can attend Regular Mayor and Council meetings on the third Wednesday of each month at 7:30 p.m., in the Borough Hall located at 500 Elm Avenue. The Borough of Woodbury Heights Water Department is committed to providing our customers with the highest quality of water and service. We believe in education and strongly urge our employees to attend various classes and seminars on water treatment processes and distribution operations. All licensed water operational personnel are mandated to continue training under the Safe Drinking Water Act Regulations.

DEFINITIONS

In the following table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

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

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 - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

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 - The "Maximum Allowed" (MCL) is 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 -The "Goal"(MCLG) is 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 contamination

Secondary Contaminant- Substances that do not have an impact on health. Secondary Contaminants affect aesthetic qualities such as odor, taste or appearance. Secondary standards are recommendations, not mandates.

Recommended Upper Limit (RUL) - Recommended maximum concentration of secondary contaminants. These reflect aesthetic qualities such as odor, taste or appearance. RUL's are recommendations, not mandates.

Local Running Annual Average (LRAA) The running average for a specific sample point.

The Borough of Woodbury Heights Water Department routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2018. The state allows us to monitor for some contaminants less than once per year because the concentration of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Borough of Woodbury Heights Water Department Test Results						
Contaminant	Violation Y/N	Level Detected	Units of Measurement	MCL G	MCL	Likely Source of Contamination
Microbiological Contaminants						
Total coliform Bacteria 2022	N	0 positive samples		0	0 positive monthly samples	Naturally present in the environment
Radioactive Contaminants						
Gross Alpha Test results 3/2/2021	N	<3	pCi/l	0	15	Erosion of natural deposits
Combined Radium 228 & 226 Test results. 3/2/2021	N	1.5	pCi/l	0	5	Erosion of natural deposits
Uranium 228 Test results 3/2/2021	N	<1.0	Mg/l	0	30	Erosion of natural deposits
Inorganic Contaminants:						
Arsenic Test Results 3/2/2021	N	<1	ppm	n/a	5	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium Test results 3/2/2021	N	0.11	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Copper Test results 2020	N	0.148 No samples exceeded the action level	Mg/l	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Fluoride Test results 3/2/2021	N	1.4 Naturally occurring	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead Test results 2020	N	0 1 sample 4.29 ug/l 90 th percentile 0	Mg/l	0	AL=0.015	Corrosion of household plumbing systems, erosion of natural deposits
Selenium Test results 3/2/2021	N	<0.00016	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Volatile Organic Contaminants						
TTHM Total Trihalomethanes Test results Yr. 2022	N	Range = 8.26 – 38.6 I.D. #1 LRAA= 15.93 I.D. #2 LRAA= 26.24	ppb	N/A	80	By-product of drinking water disinfection
HAA5 Haloacetic Acids Test results Yr. 2022	N	Range = 2.6 - 7 I.D. #1 LRAA= 4.38 I.D. #2 LRAA= 5.38	ppb	N/A	60	By-product of drinking water disinfection

Regulated Disinfectants	Level Detected	MRDL	MRDLG
Chlorine 2022	0.35- 0.68	4.0 ppm	4.0 ppm

Secondary Contaminant	Level Detected	Units of Measurement	RUL
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Sodium Test results 9/22/2022	23.83 mg/l	ppm	50
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Synthetic Organic Contaminants	Level Detected	Unit Of Measurement	MCL
PFNA Test Results year 2022	<2	Ng/l	13

Lead 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. The Woodbury Heights Water Department 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 second to 2 minutes before using water for drinking and 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>.

Woodbury Heights Water Utility- PWSID # 0823001

Woodbury Heights Water Utility is a public community water system consisting of 1 well(s), 0 wells under the influence of surface water, 0 surface water intake(s), 4 purchased ground water source(s), and 0 purchased surface water source(s).

This system's source water comes from the following aquifer(s) and/or surface water body(s) (if applicable): upper Potomac-Raritan-Magothy aquifer

This system purchases water from the following water system(s) (if applicable): WOODBURY CITY WD, WEST DEPTFORD TWP, DEPTFORD TWP, NJAWCO

Susceptibility Ratings for Woodbury Heights Water Utility Sources

The table below illustrates the susceptibility ratings for the seven contaminant categories (and radon) for each source in the system. The table provides the number of wells and intakes that rated high (H), medium (M), or low (L) for each contaminant category. For susceptibility ratings of purchased water, refer to the specific water system's source water assessment report.

The seven contaminant categories are defined at the bottom of this page. DEP considered all surface water highly susceptible to pathogens, therefore all intakes received a high rating for the pathogen category. For the purpose of Source Water Assessment Program, radionuclides are more of a concern for ground water than surface water. As a result, surface water intakes' susceptibility to radionuclides was not determined and they all received a low rating.

If a system is rated highly susceptible for a contaminant category, it does not mean a customer is or will be consuming contaminated drinking water. The rating reflects the potential for contamination of source water, not the existence of contamination. Public water systems are required to monitor for regulated contaminants and to install treatment if any contaminants are detected at frequencies and concentrations above allowable levels. As a result of the assessments, DEP may customize (change existing) monitoring schedules based on the susceptibility ratings.

Sources	Pathogens			Nutrients			Pesticides			Volatile Organic Compounds			Inorganics			Radio-nuclides			Radon			Disinfection Byproduct Precursors		
	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L
Wells - 1			1			1			1			1			1			1			1			1
GUDI - 0																								
Surface water intakes - 0																								

- **Pathogens:** Disease-causing organisms such as bacteria and viruses. Common sources are animal and human fecal wastes.
- **Nutrients:** Compounds, minerals and elements that aid growth, that are both naturally occurring and man-made. Examples include nitrogen and phosphorus.
- **Volatile Organic Compounds:** Man-made chemicals used as solvents, degreasers, and gasoline components. Examples include benzene, methyl tertiary butyl ether (MTBE), and vinyl chloride.
- **Pesticides:** Man-made chemicals used to control pests, weeds and fungus. Common sources include land application and manufacturing centers of pesticides. Examples include herbicides such as atrazine, and insecticides such as chlordane.
- **Inorganics:** Mineral-based compounds that are both naturally occurring and man-made. Examples include arsenic, asbestos, copper, lead, and nitrate.
- **Radionuclides:** Radioactive substances that are both naturally occurring and man-made. Examples include radium and uranium.
- **Radon:** Colorless, odorless, cancer-causing gas that occurs naturally in the environment. For more information go to <http://www.nj.gov/depltrpp/radon/index.htm> or call (800) 648-0394.
- **Disinfection Byproduct Precursors:** A common source is naturally occurring organic matter in surface water. Disinfection byproducts are formed when the disinfectants (usually chlorine) used to kill pathogens react with dissolved organic material (for example leaves) present in surface water.

Woodbury Heights currently operates under 2 wells in same aquifer, cannot be simultaneously ran

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 storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can, also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses 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 at 1-800-426-4791.

The Safe Drinking Water Act regulations allow monitoring waivers to reduce or eliminate the monitoring requirements for asbestos, volatile organic chemicals and synthetic organic chemicals. Our system received monitoring waivers for asbestos and synthetic organic chemicals.

Hydrant flushing is normally done in April and October. We do this to check the hydrants to make sure they are working properly. It is also done for taste and odor control of our system.

We at the Borough of Woodbury Heights Water Department work hard to provide top quality water to every tap. 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. Please call our office if you have questions.

What Are The Health Effects of Lead?

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development. If you are concerned about lead exposure, you may want to ask your health care provider about testing children to determine levels of lead in their blood.

What Are The Sources of Lead?

Although most lead exposure occurs when people eat paint chips and inhale dust, or from contaminated soil, EPA estimates that 10 to 20 percent of human exposure to lead may come from lead in drinking water. Lead is rarely found in source water, but enters tap water through corrosion of plumbing materials. Homes built before 1986 are more likely to have lead pipes, fixtures and solder. However, new homes are also at risk: even legally "lead-free" plumbing may contain up to 8 percent lead. The most common problem is with brass or chrome-plated brass faucets and fixtures which can leach significant amounts of lead into the water, especially hot water.

What Can I Do To Reduce Exposure to Lead in Drinking Water?

Run your water to flush out lead. If water hasn't been used for several hours, run water for 15-30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking. This flushes lead-containing water from the pipes.

Use cold water for cooking and preparing baby formula. Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.

Do not boil water to remove lead. Boiling water will not reduce lead.

Look for alternative sources or treatment of water. You may want to consider purchasing bottled water or a water filter. Read the package to be sure the filter is approved to reduce lead or contact NSF International at 800-NSF-8010 or www.nsf.org for information on performance standards for water filters.

Test your water for lead. Call us at (856)848-2832 ext 35 to find out how to get your water tested for lead. *We test for lead and copper every three years and are currently using Eurofins Qc Labs. There are also other labs in the area that can test your water.*

For More Information

Call Ryan Wells, Woodbury Heights CPWM, Water/Wastewater Licensed Operator at (856)848-2832 ext 35. For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at www.epa.gov/lead, call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

PLEASE CONTINUE TO CONSERVE WATER.

SEWER MAINTENANCE

PLEASE REFRAIN FROM DUMPING GREASE AND FLUSHING SANITARY NAPKINS, BABY WIPES, PAPTOWELS, ETC. THESE ITEMS CAN CAUSE BACK UPS IN THE BOROUGH SEWER MAINS AND WILL CREATE BLOCKAGES. THANK YOU FOR YOUR CONTINUED COOPERATION.

Definition of Terms

These are terms that may appear in your report.

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

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.

LRAA: Locational Running Annual Average

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. See also Secondary Maximum Contaminant Level (SMCL).

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)

Level (MRDL): The highest level of 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.

MFL: Million fibers per liter.

micromhos per centimeter (umhos/cm): A measure of electrical conductance.

NA: Not applicable

ND: Not detected

Nephelometric Turbidity Units (NTU): Measurement of the clarity, or turbidity, of the water.

pH: A measurement of acidity, 7.0 being neutral.

picocuries per liter (pCi/L): Measurement of the natural rate of disintegration of radioactive contaminants in water (also beta particles).

parts per billion (ppb): One part substance per billion parts water, or micrograms per liter.

parts per million (ppm): One part substance per million parts water, or milligrams per liter.

parts per trillion (ppt): One part substance per trillion parts water, or nanograms per liter.

Secondary Maximum Contaminant Level (SMCL): Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

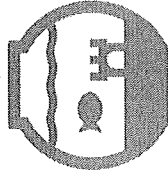
TON: Threshold Odor Number

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

%: Percent

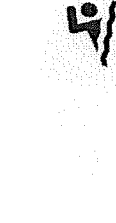
MEASUREMENTS

Parts Per Million



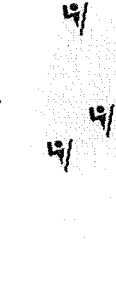
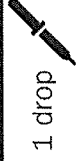
1 drop
in a 10 gallon fish tank

Parts Per Billion



1 drop
in a 10,000 gallon swimming pool

Parts Per Trillion



1 drop
in 35 junior size Olympic pools

Water Quality Results

New Jersey American Water conducts extensive monitoring to determine if your water meets all water quality standards. The detections of our monitoring are reported in the following tables. While most monitoring was conducted in 2022, certain substances are monitored less than once per year because the levels do not change frequently. For help with interpreting the tables below, see the "Definition of Terms" on the previous page. Some unregulated substances are measured, but maximum contaminant levels have not been established by the government. These contaminants are shown for your information.

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 healthcare 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 (1-800-426-4791).

Western System – PWS ID# NJ0327001 Table of Detected Contaminants - 2022

NOTE: Regulated contaminants not listed in this table were not found in the treated water supply.

PRIMARY REGULATED SUBSTANCES

LEAD AND COPPER MONITORING PROGRAM - At least 50 tap water samples collected at customers' taps every year								
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	Action Level (AL)	90th Percentile	No. of Homes Sampled	Homes Above Action Level	Typical Source
Lead (ppb)	2022	Yes	0	15	0	56	0	Corrosion of household plumbing systems.
Copper (ppm)	2022	Yes	0	1.3	0.206	56	0	Corrosion of household plumbing systems.

TOTAL COLIFORM RULE - At least 150 samples collected each month in the distribution system

Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Percentage	Typical Source
Total Coliform	2022	Yes	0	Less than 5%	1.0%	Naturally present in the environment.
E. Coli	2022	Yes	0	TT = No confirmed samples	0	Human and animal fecal waste.

NOTE: Coliforms are bacteria that are naturally present in the environment and are used as an indicator of the general bacteriological quality of the water. We are reporting the highest percentage of positive samples / highest number of positive samples in any month.

DISINFECTANTS - Collected at the Surface Water Treatment Plant and Distribution System

Substance (with units)	Year Sampled	Compliance Achieved	MRDLG	MRDL	Compliance Result	Range Detected	Typical Source
Entry Point Chlorine Residual (ppm) ¹	2022	Yes	4	4	0.69	0.69 to 0.99	Water additive used to control microbes.
Distribution System Chlorine Residual (ppm) ²	2022	Yes	4	4	0.67	0.05 to 1.30	Water additive used to control microbes.

1 - Data represents the lowest residual entering the distribution system from our water treatment plant.

2 - Data represents the highest monthly average of chlorine residuals measured throughout our distribution system.

DISINFECTION BYPRODUCTS - Collected in the Distribution System									
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Compliance Result	Range Detected	Typical Source		
Total Trihalomethanes (THMs) (ppb)	2022	Yes	NA	80	43.0	8.1-46.0	By-product of drinking water disinfection.		
Halocetic Acids (HAA5) (ppb)	2022	Yes	NA	60	14.9	ND-17.0	By-product of drinking water disinfection.		
NOTE: Compliance is based on the running annual average at each location. The Highest Compliance Result reflects the highest average at any location and the Range Detected reflects all samples from this year used to calculate the running annual average.									
DISINFECTION BYPRODUCTS - Collected at the Treatment Plant									
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Compliance Result	Range Detected	Typical Source		
Bromate (ppb)	2022	Yes	0	10	7	N/A	By-product of drinking water disinfection.		
TREATMENT BYPRODUCTS PRECURSOR REMOVAL - Collected at the Treatment Plant									
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Range of % Removal Required	Lowest % Removal	Range of % and Ratio Removal Achieved	Number of Quarters Out of Compliance	Typical Source
Total Organic Carbon (TOC)	2022	Yes	NA	TT ≥ 35% Removal	35% to 45%	43%	43% to 69%	0	Naturally present in the environment
Actual / Required TOC Removal (Ratio)	2022	Yes	NA	TT: Running Annual Average ≥ 1.0	35% to 61%	35%	1.08 to 2.35	0	Naturally present in the environment
TURBIDITY - Continuous Monitoring at the Treatment Plant									
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL	Highest Single Measurement and Lowest Monthly % of Samples ≤ 0.3 NTU	Sample Date of Highest and Lowest Compliance Result	Typical Source		
Turbidity (NTU)	2022	Yes	0	TT: Single result > 1 NTU	0.1	12/28/2022	Soil runoff.		
	2022	Yes	NA	TT: At least 95% of samples ≤ 0.3 NTU	100%	NA	Soil runoff.		
3 - 100% of the turbidity readings were below the treatment technique requirement of 0.3 NTU. Turbidity is a measure of the cloudiness of the water. We monitor turbidity because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.									
OTHER REGULATED SUBSTANCES - Collected at the Treatment Plant									
Substance (with units)	Year Sampled	Compliance Achieved	MCLG	MCL/SMCL	Highest Compliance Result	Range Detected	Typical Source		
Nitrate (ppm)	2022	Yes	10	10	2.1	N/A	Runoff from fertilizer use; industrial or domestic wastewater discharges; erosion of natural deposits.		
Alpha Emitters (pCi/L)	2022	Yes	0	15	7.37	N/A	Erosion of natural deposits.		
Perfluorooctanoic Acid (PFOA) (ppt)	2022	Yes	NA	14	4	N/A	Used in Teflons, fire fighting foams, cleaners, cosmetics, lubricants, paints, polishes, adhesives, photo films.		
Perfluorooctanesulfonic Acid (PFOS) (ppt)	2022	Yes	NA	13	3.5	N/A	Manmade chemical; used in products for stain, grease, heat and water resistance		
NOTE: The State of New Jersey allows us to monitor for certain contaminants less than once a year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative, are more than one year old.									

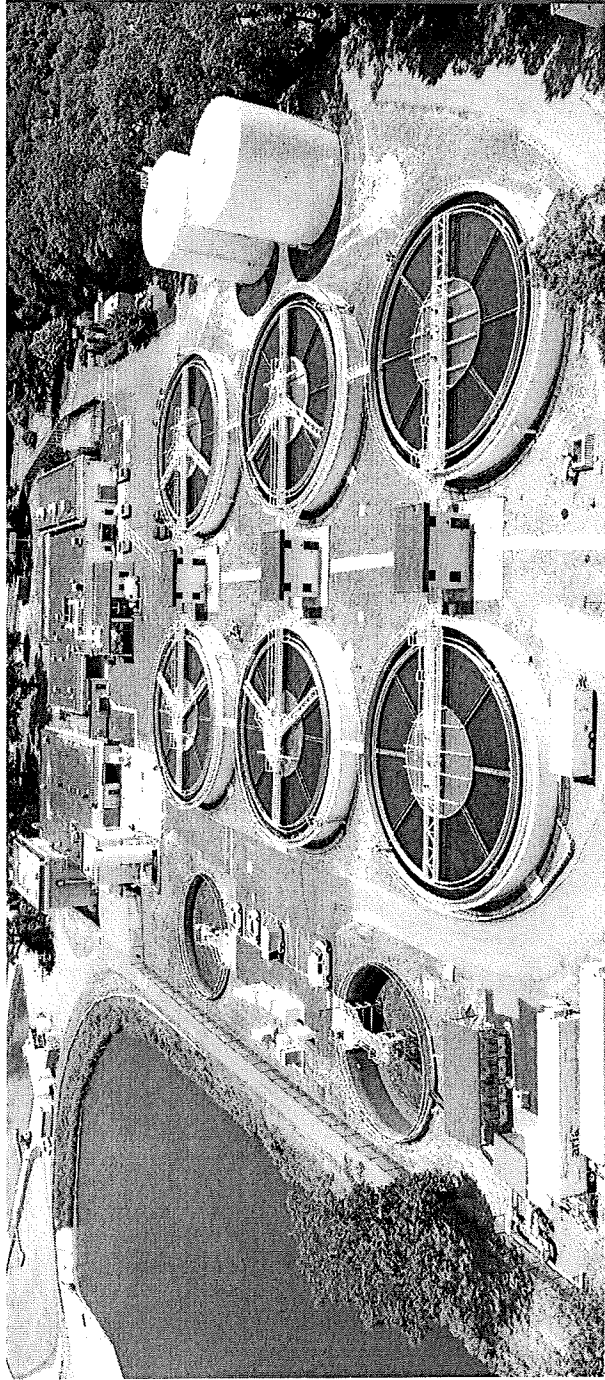
UNREGULATED CONTAMINANT MONITORING

Unregulated contaminants are those for which the EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist the EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is necessary. Every five years, the EPA issues a new list of no more than 30 unregulated contaminants to be monitored.

Unregulated Contaminants Monitoring (UCMR4) 2019

Parameter	Units	Average Result	Range Detected	Typical Source
Manganese*	ppb	1.02	ND to 1.8	Naturally-occurring elemental metal; largely used in aluminum alloy production. Essential dietary element.
2-Methoxyethanol	ppb	0.24	ND to 0.47	Used as a solvent in varnishes, dyes, resins, airplane deicing solutions. It is also used in organometallic chemistry synthesis.
Bromoacetic Acid	ppb	1.32	ND to 2.8	By-product of drinking water disinfection
Bromodichloroacetic acid	ppb	0.97	ND to 2.5	By-product of drinking water disinfection
Chlorodibromoacetic acid	ppb	0.33	ND to 0.95	By-product of drinking water disinfection
Dibromoacetic Acid	ppb	0.42	ND to 1.5	By-product of drinking water disinfection
Dichloroacetic Acid	ppb	3.86	ND to 12	By-product of drinking water disinfection
Monobromoacetic Acid	ppb	0.01	ND to 0.34	By-product of drinking water disinfection
Total Haloacetic Acids	ppb	7.50	0.55 to 23	By-product of drinking water disinfection
Total Haloacetic Acids - Br	ppb	3.05	ND to 6.9	By-product of drinking water disinfection
Total Haloacetic Acids - UCMR4	ppb	10.15	0.96 to 28	By-product of drinking water disinfection
Trichloroacetic Acid	ppb	3.22	ND to 11	By-product of drinking water disinfection

4 - Manganese is regulated as a secondary contaminant with a secondary maximum contaminant level of 50 ppb



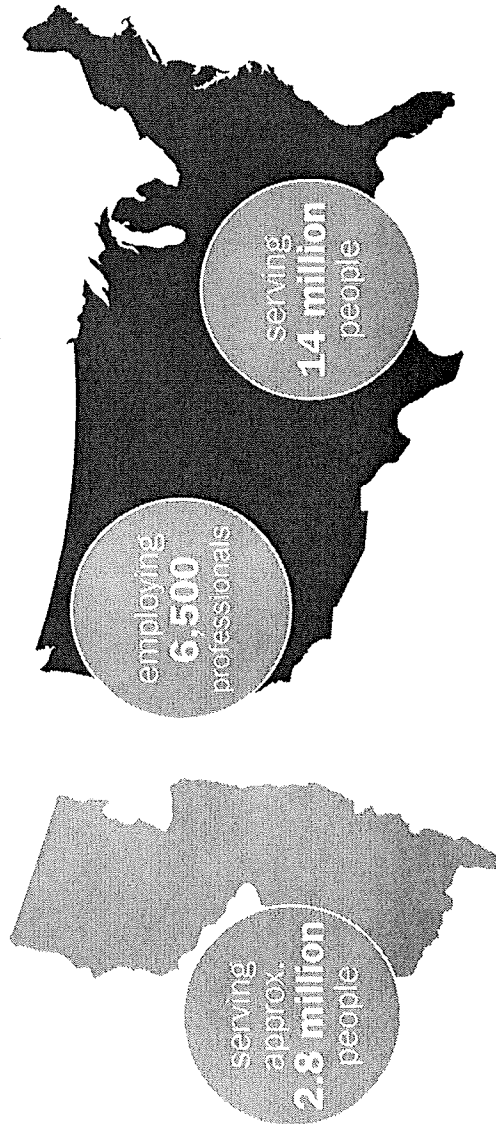
NEW JERSEY AMERICAN WATER FACTS AT A GLANCE

- **COMMUNITIES SERVED**
190 communities in 18 counties. We also provide water service to 30 additional communities through bulk purchase water agreements.
- **CUSTOMERS SERVED**
Approx. 662,000 water customers (91% residential, 7% commercial and industrial); 58,600 wastewater service customers
- **EMPLOYEES**
More than 850
- **TREATMENT FACILITIES**
Water: Seven surface water treatment plants with a combined capacity of 384 million gallons of water a day (MGD). 266 wells with a combined capacity of 1.73 MGD
Wastewater: 21 sewer treatment plants with a combined capacity of 4.9 MGD
- **MILES OF PIPELINE**
9,293 miles of water main and 523 miles of sewer main
- **STORAGE AND TRANSMISSION**
162 water storage tanks;
132 water booster pumping stations and 68 sewer lift stations
- **SOURCE OF SUPPLY**
74% surface water,
24% groundwater and
2% purchased water
- **VALVES**
202,167
- **FIRE HYDRANTS**
47,557

About Us

New Jersey American Water, a subsidiary of American Water, is the largest investor-owned water utility in the state, providing high-quality and reliable water and/or wastewater services to approximately 2.8 million people. For more information, visit newjerseyamwater.com and follow us on Twitter, Facebook, Instagram and YouTube.

With a history dating back to 1886, **American Water (NYSE: AWK)** is the largest and most geographically diverse U.S. publicly traded water and wastewater utility company. The company employs approximately 6,500 dedicated professionals who provide regulated and regulated-like drinking water and wastewater services to an estimated 14 million people in 24 states. American Water provides safe, clean, affordable, and reliable water services to our customers to help keep their lives flowing.



How to Contact Us

If you have any questions about this report, your drinking water, or service, please contact New Jersey American Water's Customer Service Center Monday to Friday, 7 a.m. to 7 p.m. at 1-800-272-1325.

WATER INFORMATION SOURCES

New Jersey American Water
www.newjerseyamwater.com

New Jersey Department of Environmental Protection Water Resource Management
www.nj.gov/dep/wrm/

New Jersey Board of Public Utilities
www.state.nj.us/bpu
1-800-624-0241

United States Environmental Protection Agency (USEPA):
www.epa.gov/safewater

Safe Drinking Water Hotline: (800) 426-4791

Centers for Disease Control and Prevention: www.cdc.gov

American Water Works Association: www.awwa.org

Water Quality Association: www.wqa.org

National Library of Medicine/National Institute of Health:
www.nlm.nih.gov/medlineplus/drinkingwater.html

This report contains important information about your drinking water. Translate it, or speak with someone who understands it at 1-800-272-1325.

This report contains important information about your drinking water. Translate it, or speak with someone who understands it at 1-800-272-1325.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien al 1-800-272-1325.

Ntawm no yog ib co lus qhia tseem ceeb heev txog koj cov dej seb huv npaum li cas. Yog tias koj xav tau kev pab txhais cov lus qhia no, thov hu rau peb ntawm 1-800-272-1325.

這是關於您的水質的十分重要的資訊。如果您需要幫助翻譯此資訊請致電 1-800-272-1325 與我們聯繫。

आपके पानी की गुणवत्ता के बारे में यह बहुत महत्वपूर्ण सूचना है। यदि इस सूचना के अनुवाद के लिए आपको सहायता की जरूरत हो, तो कृपया 1-800-272-1325 र हमें काल करें।

Это очень важная информация о качестве Вашей воды. Если Вам требуется перевод этой информации, позвоните нам по телефону 1-800-272-1325.

Ito ay isang napakahalagang impormasyon tungkol sa kalidad ng iyong tubig. Kung iyong kailangan ng tulong sa pagsalin ng impormasyon na ito, mangyaring tumawag sa amin sa 1-800-272-1325.

Đây là thông tin rất quan trọng về chất lượng nước của quý vị. Nếu quý vị cần thông dịch thông tin này, xin gọi chúng tôi theo số 1-800-272-1325.

Solutions to Stormwater Pollution

Easy Things You Can Do Every Day To Protect Our Water

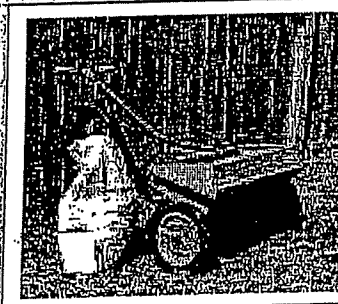
A Guide to Healthy Habits for Cleaner Water

Pollution on streets, parking lots and lawns is washed by rain into storm drains, then directly to our drinking water supplies and the ocean and lakes our children play in. Fertilizer, oil, pesticides, detergents, pet waste, grass clippings. You name it and it ends up in our water.

Stormwater pollution is one of New Jersey's greatest threats to clean and plentiful water, and that's why we're all doing something about it.

By sharing the responsibility and making small, easy changes in our daily lives, we can keep common pollutants out of stormwater. It all adds up to cleaner water, and it saves the high cost of cleaning up once it's dirty.

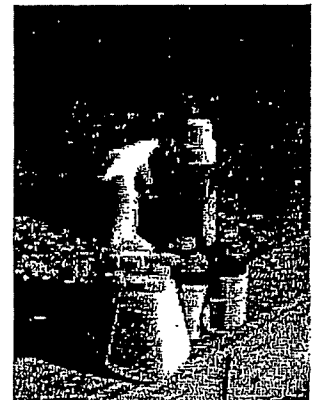
As part of New Jersey's initiative to keep our water clean and plentiful and to meet federal requirements, many municipalities and other public agencies including colleges and military bases must adopt ordinances or other rules prohibiting various activities that contribute to stormwater pollution. Breaking these rules can result in fines or other penalties.



As a resident, business, or other member of the New Jersey community, it is important to know these easy things you can do every day to protect our water.

Limit your use of fertilizers and pesticides

- Do a soil test to see if you need a fertilizer.
- Do not apply fertilizers if heavy rain is predicted.
- Look into alternatives for pesticides.
- Maintain a small lawn and keep the rest of your property or yard in a natural state with trees and other native vegetation that requires little or no fertilizer.
- If you use fertilizers and pesticides, follow the instructions on the label on how to correctly apply it.



Make sure you properly store or discard any unused portions.

Properly use and dispose of hazardous products

- Hazardous products include some household or commercial cleaning products, lawn and garden care products, motor oil, antifreeze, and paints.
- Do not pour any hazardous products down a storm drain because storm drains are usually connected to local waterbodies and the water is not treated.

- If you have hazardous products in your home or workplace, make sure you store or dispose of them properly. Read the label for guidance.

- Use natural or less toxic alternatives when possible.

- Recycle used motor oil.

- Contact your municipality, county or facility management office for the locations of hazardous-waste disposal facilities.



Keep pollution out of storm drains

- Municipalities and many other public agencies are required to mark certain storm drain inlets with messages reminding people that storm drains are connected to local waterbodies.

- Do not let sewage or other wastes flow into a stormwater system.

Clean up after your pet

- Many municipalities and public agencies must enact and enforce local pet-waste rules.

- An example is requiring pet owners or their keepers to pick up and properly dispose of pet waste dropped on public or other people's property.

- Make sure you know your town's or agency's requirements and comply with them. It's the law. And remember to:

- Use newspaper, bags or pooper-scoopers to pick up wastes.

- Dispose of the wrapped pet waste in the trash or unwrapped in a toilet.

- Never discard pet waste in a storm drain.

Don't feed wildlife

- Do not feed wildlife, such as ducks and geese, in public areas.

- Many municipalities and other public agencies must enact and enforce a rule that prohibits wildlife feeding in these areas.



Don't litter

- Place litter in trash receptacles.

- Recycle. Recycle. Recycle.

- Participate in community cleanups.

Dispose of yard waste properly

- Keep leaves and grass out of storm drains.

- If your municipality or agency has yard waste collection rules, follow them.

- Use leaves and grass clippings as a resource for compost.

- Use a mulching mower that recycles grass clippings into the lawn.



Contact information

For more information on stormwater-related topics visit www.njstormwater.org or www.nonpointsource.org

Additional information is also available at U.S. Environmental Protection Agency Web sites www.epa.gov/npdes/stormwater or www.epa.gov/nps.

New Jersey Department of Environmental Protection
Division of Water Quality

Bureau of Nonpoint Pollution Control

Municipal Stormwater Regulation Program

(609) 633-7021



April 2004