

Annual Drinking Water Quality Report

Helmetta Water Department

For the Year 2026, Results from the Year 2025

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. The Borough of Helmetta bulk purchases all of its water from the East Brunswick Water Utility, who in turn receives its water from the Middlesex Water Company. Middlesex Water is a combination of well and surface water which is explained in further detail in the Middlesex Water Company's Source Water Assessment which is included in this report. 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 <https://www.nj.gov/dep/watersupply/swap/index.html> 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 this Source Water Assessment.

If you are a landlord, you must distribute this Drinking Water Quality Report to every tenant as soon as practicable, but no later than three business days after receipt. Delivery must be made by hand, mail, or email, and by posting the information in a prominent location at the entrance of each rental premises, pursuant to section #3 of NJ P.L. 2021, c.82 (C.58:12A-12.4 et seq.).

The Helmetta Borough Water Department, the East Brunswick Water Utility and the Middlesex Water Company routinely monitor for contaminants in your drinking water according to Federal and State laws. The tables show the results of that monitoring for the period of January 1st to December 31st, 2025. The state allows us to monitor for some contaminants less than once per year because the concentrations 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 people such as people with cancer undergoing chemotherapy, people 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).

Helmetta Water Department Test Results – PWS ID# NJ1206001						
Contaminant	Viola- tion Y/N	Level Detected	Units of Measure- ment	MC LG	MCL	Likely Source of Contamination
Inorganic Contaminants:						
Copper Test results 1 st ½ of Yr. 2025 Result at 90 th Percentile	N	0.15 No samples exceeded the action level	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Copper Test results 2 nd ½ of Yr. 2025 Result at 90 th Percentile	N	0.09 No samples exceeded the action level	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead Test results 1 st ½ of Yr. 2025 Result at 90 th Percentile	N	ND No samples exceeded the action level	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Lead Test results 2 nd ½ of Yr. 2025 Result at 90 th Percentile	N	0.91 No samples exceeded the action level	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfection Byproducts:						
TTHMs Total trihalomethanes Test results Yr. 2025	N	Range = 21 - 76 Highest LRAA = 48	ppb	N/A	80	By-product of drinking water disinfection
HAA5s Total Halocetic Acids Test results Yr. 2025	N	Range = 8 - 29 Highest LRAA = 18	ppb	N/A	60	By-product of drinking water disinfection
Regulated Disinfectants		Level Detected		MRDL		MRDLG
Chlorine Test results Yr. 2025		Range = 0.4 – 0.9 ppm Average = 0.6 ppm		4.0 ppm		4.0 ppm

Chlorine: Water additive used to control microbes.

HAA5 and TTHM compliance is based on a Locational Running Annual Average (LRAA), calculated at each monitoring location. The LRAA calculation is based on four completed quarters of monitoring results.

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.

If you have any questions about this report or concerning your water utility, please contact Paul Reed at 732-521-4946 Ext. 110. 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 Borough Council meetings at Borough Hall, 51 Main Street. Meetings are held on the second and fourth Wednesday of each month at 7:30 p.m.

Middlesex Water Company Test Results – PWS ID# NJ1225001						
Contaminant	Violation Y/N	Level Detected	Units of Measurement	MC LG	MCL	Likely Source of Contamination
Radiological Contaminants:						
Radium 226 & 228 Test results Yr. 2023	N	Range = ND – 1 Highest detect = 1	pCi/L	0	5	Erosion of natural deposits
Alpha emitters Test results Yr. 2023	N	2	pCi/L	0	15	Erosion of natural deposits
Uranium Test results Yr. 2023	N	2.24	pCi/L	0	30	Erosion of natural deposits
Inorganic Contaminants:						
Arsenic Test results Yr. 2025	N	1	ppb	0	5	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium Test results Yr. 2025	N	0.2	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium Test results Yr. 2025	N	1	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride Test results Yr. 2025	N	0.05	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nickel Test results Yr. 2025	N	2	ppb	N/A	N/A	Erosion of natural deposits
Nitrate (as Nitrogen) Test results Yr. 2025	N	3	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Microbiological Contaminants:						
Turbidity Test results Yr. 2025	N	98 % of samples < 0.3		N/A	*TT 95% of samples < 0.3 NTU	Soil runoff, naturally present in the environment.
PFAS Per- and Polyfluoroalkyl Substances:						
PFOA Perfluorooctane Acid Test results Yr. 2025	N	Range = ND - 5 Highest detect = 5 Highest RAA = 5	ppt	N/A	14	Discharge from industrial, chemical, and manufacturing factories, release of aqueous film forming foam.
PFOS Perfluorooctane Sulfonic Acid Test results Yr. 2025	N	Range = ND - 5 Highest detect = 5 Highest RAA = 5	ppt	N/A	13	Discharge from industrial, chemical, and manufacturing factories, release of aqueous film forming foam.
Synthetic Organic Compounds						
1,2,3-Trichloropropane Test results Yr. 2025	N	Range = ND - 20 Highest detect = 20 Highest RAA = 20	ppt	N/A	30	Discharge from industrial and chemical factories; leaching from hazardous waste sites

Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

* Turbidity MCL: The Turbidity Level must be less than or equal to 0.3 NTU's in 95% of the samples taken every month and at no time exceed 1 NTU.

Unregulated Contaminant Monitoring Rule (UCMR)

The Middlesex Water Company participated in the UCMR in 2024. 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 regulation is warranted. Their results are available upon request.

Parameter	Units	MCL	MCLG	Highest Detected Level	Range	MCL Violation Yes/No
ADDITIONAL MONITORING						
<i>Additional contaminants for which we monitor that are currently not regulated by the EPA</i>						
Perchlorate	ppb	CNR	N/A	1.4	0.1 - 1.4	N/A
Chlorate	ppb	CNR	N/A	240	85 – 240	N/A
Manganese	ppb	CNR	N/A	160	ND - 160	N/A
Germanium	ppb	CNR	N/A	0.7	ND – 0.7	N/A
HAA5	ppb	CNR	N/A	49	3 - 49	N/A
HAABr6	ppb	CNR	N/A	7	1 - 7	N/A
HAA9	ppb	CNR	N/A	53	3 - 53	N/A
UCMR5 (Unregulated Contaminant Monitoring Rule)						
<i>All detections noted are from sampling conducted by MWC in 2023.</i>						
Perfluorobutanoic Acid (PFBA)	ppt	CNR	N/A	7.3	ND – 7.3	N/A
Perfluoropentanoic Acid (PFPeA)	ppt	CNR	N/A	3	ND – 3	N/A
Lithium	ppb	CNR	N/A	12	ND – 12	N/A

What are PFOA and PFOS?

Perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) are per- and polyfluoroalkyl substances (PFAS), previously referred to as perfluorinated compounds, or PFCs, that are man-made and used in industrial and commercial applications. PFOA was used as a processing aid in the manufacture of fluoropolymers used in non-stick cookware and other products, as well as other commercial and industrial uses based on its resistance to harsh chemicals and high temperatures. PFOS is used in metal plating and finishing as well as in various commercial products. PFOS was previously used as a major ingredient in aqueous film forming foams for firefighting and training, and PFOA and PFOS are found in consumer products such as stain resistant coatings for upholstery and carpets, water resistant outdoor clothing, and grease proof food packaging. Although the use of PFOA and PFOS has decreased substantially, contamination is expected to continue indefinitely because these substances are extremely persistent in the environment and are soluble and mobile in water. More information can be found at: [https://www.state.nj.us/dep/wms/bears/docs/2019-4-15-FAQs_PFOS-PFOA-websites-OLA%204-24-19SDM-\(003\).pdf](https://www.state.nj.us/dep/wms/bears/docs/2019-4-15-FAQs_PFOS-PFOA-websites-OLA%204-24-19SDM-(003).pdf)

East Brunswick Water Utility Test Results – PWS ID# NJ1204001						
Contaminant	Violation Y/N	Level Detected	Units of Measurement	MC LG	MCL	Likely Source of Contamination
PFAS Per- and Polyfluoroalkyl Substances:						
PFOA Perfluorooctane Acid Test results Yr. 2023	N	Highest RAA = 3.49	ppt	N/A	14	Discharge from industrial, chemical, and manufacturing factories, release of aqueous film forming foam.
PFOS Perfluorooctane Sulfonic Acid Test results Yr. 2023	N	Highest RAA = 3.52	ppt	N/A	13	Discharge from industrial, chemical, and manufacturing factories, release of aqueous film forming foam.

Running Annual Average (RAA), calculated at each monitoring location. The RAA calculation is based on four completed quarters of monitoring results.

Unregulated Substances (UCMR5)	HRL	Level Detected	Violation	Likely Source
Perfluorooctane Sulfonic Acid (PFOS) Test Results Year 2023	n/a ppt	Range: ND-4.3 Average: 0.86	N	Manufactured chemical(s) used in household goods for stain, grease, heat, and water resistance.
Perfluorooctanoic Acid (PFOA) Test Results Year 2023	4 ppt	Range: ND-7.7 Average: 2.7	N	Manufactured chemical(s) used in household goods for stain, grease, heat, and water resistance.
Perfluoropentanoic Acid (PFPeA) Test Results Year 2023	n/a ppt	Range: ND-3 Average: 0.6	N	Manufactured chemical(s) used in household goods for stain, grease, heat, and water resistance.
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 and DEP in determining the occurrence of unregulated contaminants in drinking water and whether regulation is warranted. Additional information about unregulated contaminants can be found at the following link, courtesy of the EPA: https://www.epa.gov/system/files/documents/2022-02/ucmr5-factsheet.pdf				

Sources of Lead in Drinking Water

The Helmetta Water Department and its suppliers are responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. Although most lead exposure occurs from inhaling dust or from contaminated soil, or when children eat paint chips, the U.S. Environmental Protection Agency (USEPA) estimates that 10 to 20 percent of human exposure to lead may come from lead in drinking water. Infants who consume mostly mixed formula can receive 40 percent to 60 percent of their exposure to lead from drinking water. Lead is rarely found in the source of your drinking water but enters tap water through corrosion, or wearing away, of materials containing lead in the water distribution system and household plumbing materials. These materials include lead-based solder used to join copper pipes, brass, and chrome-brass faucets, and in some cases, service lines made of or lined with lead. New brass faucets, fittings, and valves, including those advertised as “lead-free”, may still contain a small percentage of lead, and contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 0.25 percent lead to be labeled as “lead free”. However, prior to January 4, 2014, “lead free” allowed up to 8 percent lead content of the wetted surfaces of plumbing products including those labeled National Sanitation Foundation (NSF) certified. Visit the NSF website at www.nsf.org to learn more about lead-containing plumbing fixtures. Consumers should be aware of this when choosing fixtures and take appropriate precautions. When water stands in lead service lines, lead pipes, or plumbing systems containing lead for several hours or more, the lead may dissolve into your drinking water. This means the first water drawn from the tap in the morning, or later in the afternoon if the water has not been used all day, can contain fairly high levels of lead.

Steps You Can Take to Reduce Exposure to Lead in Drinking Water

For a full list of steps visit: <https://www.state.nj.us/dep/watersupply/dwc-lead-consumer.html>

Run the cold water to flush out lead. Let the water run from the tap before using it for drinking or cooking any time the water in the faucet has gone unused for more than six hours. The longer the water resides in plumbing the more lead it may contain. Flushing the tap means running the cold-water faucet. Let the water run from the cold-water tap based on the length of the lead service line and the plumbing configuration in your home. In other words, the larger the home or building and the greater the distance to the water main (in the street), the more water it will take to flush properly. Although toilet flushing or showering flushes water through a portion of the plumbing system, you still need to flush the water in each faucet before using it for drinking or cooking. Flushing tap water is a simple and inexpensive measure you can take to protect your health. It usually uses less than one gallon of water.

Use cold, flushed water for cooking and preparing baby formula. Because lead from lead-containing plumbing materials and pipes can dissolve into hot water more easily than cold water, never drink, cook, or prepare beverages including baby formula using hot water from the tap. If you have not had your water sampled or if you know, it is recommended that bottled or filtered water be used for drinking and preparing baby formula. If you need hot water, draw water from the cold tap and then heat it.

Do not boil water to remove lead. Boiling water will not reduce lead; however, it is still safe to wash dishes and do laundry. Lead will not soak into dishware or most clothes.

Use 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.

Determine if you have interior lead plumbing or solder. If your home/building was constructed prior to 1987, it is important to determine if interior lead solder or lead pipes are present. You can check yourself, hire a licensed plumber, or check with your landlord.

Replace plumbing fixtures and service lines containing lead. Replace brass faucets, fittings, and valves that do not meet the current definition of “lead free” from 2014 (as explained above). Visit the NSF website at www.nsf.org to learn more about lead-containing plumbing fixtures.

Remove and clean aerators/screens on plumbing fixtures. Over time, particles and sediment can collect in the aerator screen. Regularly remove and clean aerators/screens located at the tip of faucets and remove any particles.

Test your water for lead. Please call 732-521-4946 Ext. 110 to find out how to get your water tested for lead. Testing is essential because you cannot see, taste, or smell lead in drinking water.

Get your child tested. Contact your local health department or healthcare provider to find out how you can get your child tested for lead if you are concerned about lead exposure. New Jersey law requires that children be tested for lead in their blood at both 1 and 2 years of age and before they are 6 years old if they have never been tested before or if they have been exposed to a known source of lead.

Have an electrician check your wiring. If grounding wires from the electrical system are attached to your pipes, corrosion may be greater. Check with a licensed electrician or your local electrical code to determine if your wiring can be grounded elsewhere. DO NOT attempt to change the wiring yourself because improper grounding can cause electrical shock and fire hazards.

Water softeners and reverse osmosis units will remove lead from water but can also make the water more corrosive to lead solder and plumbing by removing certain minerals; therefore, the installation of these treatment units at the point of entry into homes with lead plumbing should only be done under supervision of a qualified water treatment professional.

Health Effects of Lead

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 Helmetta Water Department 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, call Paul Reed at 732-521-4946 Ext. 110 for 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>.

Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.

In July 2021, P.L.2021, Ch.183 (Law) was enacted, requiring all community water systems to replace lead service lines in their service area within 10 years. Under the law, The Helmetta Water Department is required to notify customers, non-paying consumers, and any off-site owner of a property (e.g., landlord) when it is known they are served by a lead service line*. Our service line inventory is available upon request.

DEFINITIONS

In the "Test Results" tables you may 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.

Parts per trillion (ppt) or nanogram per liter - one part per trillion corresponds to one minute in 20,000 years, or a single penny in \$100,000,000.

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

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

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.

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

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.

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.

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

Turbidity - A measure of the particulate matter or "cloudiness" of the water. High turbidity can hinder the effectiveness of disinfectants.

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

Running Annual Average - RAA calculation is based on four completed quarters of monitoring results.

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.

Cryptosporidium

Cryptosporidium is a microbial pathogen found in surface water throughout the U.S. Cryptosporidium is usually removed through the filtration process and inactivated by other treatment processes such as chlorination and / or ozonation. To check for the presence of Cryptosporidium, the USEPA issued the Long-Term Enhanced Surface Water Treatment Rule in January 2006. Our sample results did not show any presence of Cryptosporidium. We believe it is important for you to know that cryptosporidium may cause serious illness in 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. These people should seek advice from their health care providers.

Special Notice:

Reporting requirement not met for The Borough of Helmetta.

What happened? All water systems must provide a notice of the individual tap results from Lead Tap Monitoring to the people served by the water system at the specific sampling site from which the sample was taken. This notice must be provided no later than 30 days after learning of the monitoring results. We were late with these notices and received a violation (#3143)

What should I do? There is no need for concern. This was an administrative reporting violation and not a water quality violation. The results of the lead and copper testing were within the acceptable regulatory limits. You do not need to seek an alternative water supply or take any special precautions regarding your water consumption due to this notification delay.

What is being done? Upon receiving the notice, we distributed the required Lead Consumer Notices (LCN) to all participating residents to ensure they have their specific sampling results. We submitted Form BSDW-54 (Certification of Consumer Notice) to the New Jersey Department of Environmental Protection (NJDEP) to verify that all residents have been informed. We have updated our internal tracking schedule to ensure that in all future sampling cycles, individual results are mailed within 30 days of receipt from the laboratory.

Special Notice:

Reporting requirement not met for The Borough of Helmetta.

What happened? 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 fourth quarter of 2025 (October 1 to December 31), we inadvertently reported late the results for Total Trihalomethanes (TTHM) and received a violation (#3142).

What should I do? There is nothing you need to do at this time. You do not need to boil your water or take other corrective actions. This is not an emergency. If it had been an emergency, you would have been notified within 24 hours. The violation was for a failure to report data on time, not because the water was found to be contaminated.

What is being done? The results have since been submitted to the NJDEP to return the system to compliance. We are reviewing our reporting protocols with our laboratory to ensure that all future compliance reports are submitted within the first ten days of the month following the monitoring period as required by state and federal regulations.

Special Notice:

Reporting requirement not met for The Borough of Helmetta.

What happened? Our water system violated a New Jersey Department of Environmental Protection (NJDEP) requirement. Even though this was not an emergency, as our customers, you have a right to know what happened and what we did to correct this situation.

We were required to submit a Lead Service Line Replacement Plan (LSLR) to the NJDEP by July 2024. This plan outlines how a system will identify and replace lead service lines. We inadvertently submitted this plan late, which resulted in a reporting violation (#3140).

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

What is being done? We have since completed and submitted the required plan and the NJDEP has confirmed that our system has returned to compliance. We have updated our internal tracking procedures to ensure all future reports are submitted on time.

Middlesex Water Company- PWSID # NJ1225001

Middlesex Water Company is a public community water system consisting of 31 wells, 1 surface water intake, 1 purchased ground water source, and 1 purchased surface water source.

This system’s source water comes from the following aquifers and/or surface water bodies: glacial sand and gravel, Brunswick Aquifer System, Delaware & Raritan Canal

This system purchases water from the following water systems: New Jersey Water Supply Authority, New Jersey American Water – Raritan System

Susceptibility Ratings for Middlesex Water Company 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			Radionuclides			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 - 31		29	2	10	21			4	27	31			14	17		3	28		31			14	17	
Surface water intakes - 1	1			1				1			1						1			1	1			

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/dep/rpp/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.

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.