



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Mail Code 401-04Q

PHILIP D. MURPHY
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Division of Water Supply & Geoscience
Water System Operations Element
Bureau of Safe Drinking Water
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Trenton, New Jersey 08625-0420
Tel #: (609) 292-5550 - Fax #: (609) 292-1654
<http://www.nj.gov/dep/watersupply/>

SHAWN LaTOURETTE
Acting Commissioner

CCR Year: 2021
(2020 data)

2021 Consumer Confidence Report (CCR) Certification Form

PWS ID# NJ 0407001

Community Water System Name: Brooklawn Water Dept

Community Water System Address: 301 Hankon rd Brooklawn NJ 08030

1. CCRs must be mailed or electronically delivered to all bill-paying customers by July 1st. Provide date(s) of distribution: 5-25-21 / meter readings

2. Please check the distribution method(s) utilized to reach your bill-paying customers.

Mailed the CCR

Mailed the direct URL of the CCR

Embedded in an email message

Attached as a PDF file in an email message

Provided the website link (URL) in an email message

Provided information on how a hardcopy of the CCR can be obtained

3. If the CCR was provided to customers electronically, provide the direct URL:

Brooklawn-NJ.COM

4. Community Water Systems serving greater than or equal to 100,000 persons must post their CCR on the Internet. Date posted on the Internet *and* the URL: _____

5. Community Water Systems must make a good faith effort to reach all appropriate non-bill paying customers. Check all of the methods that were utilized by your community water system.

Posted the CCR on the Internet at www._____

Mailed the CCR to postal patrons within the service area (attach a list of zip codes used)

- Advertised availability of the CCR in news media (attach copy of announcement)
- Published CCR in local newspaper (attach copy of newspaper announcement)
- Posted the CCR in public places (attach a list of locations)
- Delivered multiple copies to single bill addresses serving several persons such as: apartments, businesses, and large private employers
- Delivered copy of the CCR to community organizations (attach a list)
- Electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
- Electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
- Other (List): _____

6. If your Community Water System sells water to another Community Water System, list the name and PWSID Number of the Community Water System(s) and the date the information was provided (due no later than April 1st unless mutually agreed upon by both systems): _____

7. Is the CCR being utilized to satisfy a Public Notice requirement pertaining to N.J.A.C. 7:10-7.4 for iron, manganese, or sodium? No / Yes (circle one)

8. Is the CCR being utilized to satisfy a Tier 3 Public Notice requirement? No / Yes (circle one)

NOTE: If you circled "Yes":

1. Submit the PN Certification Form for any Tier 3 PN requirement not previously submitted to DEP.
2. Include the necessary standard language for a reporting violation, found at 40 CFR 141.205(d).

9. Check all distribution method(s) for the submittal to the Bureau of Safe Drinking Water (Bureau)**.

Attached as a PDF file in an email message to watersupply@dep.nj.gov

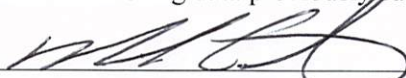
Provided the website link (URL) in an email message to watersupply@dep.nj.gov

Mailed the CCR** (see note below)

****IMPORTANT** Note that a non-submittal or late submittal of the CCR and/or Certification to the Bureau will result in a reporting violation. As such, we strongly recommend that you submit a copy using a means that can document the date of Bureau receipt, such as by email (watersupply@dep.nj.gov) or by Certified mail.**

10. The Certification below must be completed by the Community Water System.

I certify that the above referenced community water system has distributed the CCR in accordance with all applicable regulations. Furthermore, I certify that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the state.

Signature:  Date: 5-25-21
 Print Name: Michael Ostrom Title: Supt
 PWSID #: 0407001 Water System Name: Brooklyn Water Dept
 Email: m.ostrom@brooklyn-nj.com Phone Number: 856-456-2838

Annual Drinking Water Quality Report

Borough of Brooklawn Water Department

For the Year 2021, Results from the Year 2020

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 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.

The Borough of Brooklawn 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 2020. 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 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).

TEST RESULTS						
Contaminant	Violation Y/N	Level Detected	Units of Measurement	MC LG	MCL	Likely Source of Contamination
Radioactive Contaminants:						
Combined Radium 228 & 226 Test results Yr. 2018	N	1.5	pCi/l	0	5	Erosion of natural deposits
Inorganic Contaminants:						
Barium Test results Yr. 2018	N	0.034	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Copper Test results Yr. 2018 Result at the 90 th Percentile	N	0.25 No samples exceeded the action level	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Chromium Test results Yr. 2018	N	2.4	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide Test results Yr. 2018	N	3	ppb	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride Test results Yr. 2018	N	0.18	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead Test results Yr. 2018 Result at the 90 th Percentile	N	ND No samples exceeded the action level	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Selenium Test results Yr. 2018	N	2	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Disinfection Byproducts / Volatile Organic Contaminants:						
Cis-1,2-dichloroethylene Test results Yr. 2020	N	1.91	ppb	70	70	Discharge from industrial chemical Factories
THM Total Trihalomethanes Test results Yr. 2020	N	Range = 9 Highest detect = 9	ppb	N/A	80	By-product of drinking water disinfection
HAA5 Haloacetic Acids Test results Yr. 2020	N	Range = 6 - 7 Highest detect = 7	ppb	N/A	60	By-product of drinking water disinfection
Synthetic Organic Contaminants:						
PFNA Perfluorononanoic Acid Test results Yr. 2020	N	Range = 4.9 - 11.2 Highest detect = 11.2 Average = 8.6	ppt	N/A	13	Discharge from industrial chemical factories
		Level Detected				

Regulated Disinfectants		MRDL	MRDLG	Likely Source
Chlorine Test results Yr. 2020	Range = 0.1 – 0.5 ppm Average = 0.3 ppm	4.0 ppm	4.0 ppm	Water additive used to control microbes
Secondary Contaminant	Level Detected	Units of Measurement	RUL	
Sodium Test results Yr. 2018	192	ppm	50	

We exceeded the Recommended Upper Limit (RUL) for Sodium, which is a Secondary Contaminant. Secondary contaminants are 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. For healthy individuals, the sodium intake from water is not important, because a much greater of sodium takes place from salt in the diet. However, sodium levels above the Recommended Upper Limit (RUL) may be of concern to individuals on a sodium restricted diet.

Our Drinking Water source is wells. Our three wells draw groundwater from the Lower Potomac-Raritan-Magothy Aquifer System. The New Jersey Department of Environmental Protection (NJDEP) has prepared Source Water Assessment Reports and Summaries for all public water systems. Further information on the Source Water Assessment Program can be obtained by logging onto NJDEP's source water assessment web site 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. Brooklawn Borough Water Department's Source Water Assessment Summary is included. The Safe Drinking Water Act regulations allow monitoring waivers to reduce or eliminate the monitoring requirements for asbestos and synthetic organic chemicals. Our system received monitoring waivers for two of these types of contaminants, asbestos and synthetic organic chemicals.

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 Borough of Brooklawn 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>.

DEFINITIONS:

In the "Test Results" table you may find some 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 contaminant 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 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 2,000,000 years, or a single penny in \$10,000,000,000.

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.

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.

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.

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

Drinking Water Sources:

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 the source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and septic systems, 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 stormwater 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.

Unregulated Contaminant Monitoring: The Borough of Brooklawn Water Department monitored for the following unregulated contaminants in 2020.

Unregulated contaminants are those for which the US Environmental Protection Agency (EPA) or the New Jersey Department of Environmental Protection (NJDEP) has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist the EPA and NJDEP in determining the occurrence of unregulated contaminants in drinking water and whether regulation is warranted. Per- and polyfluoroalkyl substances (PFAS) are widely found in the environment. EPA has identified a health advisory level for two PFAS analytes, PFOA and PFOS 0.070 ppb either singly or combined, and NJDEP has adopted new drinking water standards (Maximum Contaminant Levels (MCLs)) for PFOA and PFOS of 14 ng/L (ppt) and 13 ng/L (ppt), respectively, as of January 2021.

Contaminant	Level Detected	Units of Measurement	Likely source
(PFOS) Perfluorooctane Sulfonate	Range = ND – 2.3	ppt	Used in the manufacture of fluoropolymers.
(PFOA) Perfluorooctanoic Acid	Range = 2.6 – 3.6	ppt	Used in the manufacture of fluoropolymers.

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_PFOA-PFOA-websites-OLA%204-24-19SDM-\(003\).pdf](https://www.state.nj.us/dep/wms/bears/docs/2019-4-15-FAQs_PFOA-PFOA-websites-OLA%204-24-19SDM-(003).pdf)

Borough of Brooklawn Water Department - PWSID # NJ0407001

The Brooklawn Water Department is a public community water system consisting of 3 active wells.

This system's source water comes from the following aquifer: Lower Potomac-Raritan-Magothy Aquifer System.

This system can purchase water from the following water system: Bellmawr Water Department

Susceptibility Ratings for the Borough of Brooklawn Water Department 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 - 3			3			3			3			3			3			3			3			3

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.

If you have questions about this report or concerning your water utility, please contact Mike Ostrom – Borough of Brooklawn Water Department at 856-456-2638. 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, 301 Christiana Street. Meetings are held on the third Monday of each month at 7:00 p.m.

We at the Borough of Brooklawn Water Department work around the clock to provide you with top quality drinking water. We ask that our customers and residents help us protect our water sources, which are the heart of our community, our way of life, and our children's future.