

Annual Drinking Water Quality Report

Freehold Township Water Department

For the Year 2025, Results from the Year 2024

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.

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.).

Our water source: Our ten (10) wells draw groundwater from the Englishtown Aquifer System and the Potomac-Raritan-Magothy Aquifer System. We also purchase water from Veolia Water Matchaponix System. The New Jersey Department of Environmental Protection (NJDEP) has completed and issued the Source Water Assessment Report and Summary for this public water system and the Veolia Water Matchaponix System which are 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 your water system's Source Water Assessment. These water systems source water susceptibility ratings and a list of potential contaminant sources is included.

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).

The Freehold Township Water Department and Veolia Water Matchaponix System 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, 2024. 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, is more than one year old.

| Freehold Township Water Department Detected Contaminants | | | | | | |
|--------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------|----------------------|-------------|--------|---------------------------------------------------------------------------------------------------------------------------|
| Contaminant | Violation Y/N | Level Detected | Units of Measurement | MC LG | MCL | Likely Source of Contamination |
| Inorganic Contaminants: | | | | | | |
| Barium Test results Yr. 2023 | N | Range = 0.01 – 0.05 Highest detect = 0.05 | ppm | 2 | 2 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| Chromium Test results Yr. 2023 | N | Range = 0.5 – 0.7 Highest detect = 0.7 | ppb | 100 | 100 | Discharge from steel and pulp mills; erosion of natural deposits |
| Copper Test results Yr. 2023 Result at 90 th Percentile | N | 0.17 No samples exceeded the action level. 30 samples taken. Range of detections: (ND – 0.175) | Ppm | 1.3 | AL=1.3 | Corrosion of household plumbing systems; erosion of natural deposits. |
| Lead Test results Yr. 2023 Result at 90 th Percentile | N | ND 2 samples out of 30 exceeded the action level. 30 samples taken. Range of detections: (ND – 84.0)) | ppb | 0 | AL=15 | Corrosion of household plumbing systems, erosion of natural deposits |
| Fluoride Test results Yr. 2023 | N | Range = 0.6 – 0.7 Highest detect = 0.7 | ppm | 4 | 4 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Nickel Test results Yr. 2023 | N | Range = 0.7 – 0.8 Highest detect = 0.8 | ppb | N/A | N/A | Erosion of natural deposits |
| Disinfection Byproducts: | | | | | | |
| TTHMs Total Trihalomethanes Test results Yr. 2024 | N | Range = 15 - 59 Highest LRAA = 33 | ppb | N/A | 80 | By-product of drinking water disinfection |
| HAA5s Haloacetic Acids Test results Yr. 2024 | N | Range = 4 - 21 Highest LRAA = 14 | ppb | N/A | 60 | By-product of drinking water disinfection |
| Regulated Disinfectants | | Level Detected | | MRDL | | MRDLG |
| Chlorine Test results Yr. 2024 | | Range = 1.1 – 1.5 ppm Average = 1.1 ppm | | 4.0 ppm | | 4.0 ppm |

Chlorine: Water additive used to control microbes.

For Total Halocetic Acids (HAA5s) and Total Trihalomethanes (TTHMs), which are disinfection byproducts, 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.

| 2024 Veolia Water Matchaponix System Detected Contaminants | | | | | | |
|------------------------------------------------------------|---------------|----------------------------------------------------------------|----------------------|-------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| PWS ID # NJ1326004 | | | | | | |
| Contaminant | Violation Y/N | Level Detected | Units of Measurement | MC LG | MCL | Likely Source of Contamination |
| Microbiological Contaminants: | | | | | | |
| Turbidity | N | Range = 0.02 – 0.28 95% < 0.3 NTU | NTU | N/A | TT 95% Of monthly samples < 0.3 NTU | Soil runoff |
| Total Organ Carbon (TOC) | N | Range = 1.1 – 1.8 % | ppm | N/A | TT % of removal | Soil runoff |
| Synthetic Organic Contaminants: | | | | | | |
| 2,4- D | N | Range = ND – 0.52 | ppb | 70 | 70 | Run-off from herbicides |
| PFAS Per- and Polyfluoroalkyl Substances: | | | | | | |
| PFOS Perfluorooctane Sulfonic Acid | N | Range =ND – 3.2 Highest detect = 3.2 Highest RAA = 2.2 | ppt | N/A | 13 | Discharge from industrial, chemical, and manufacturing factories, release of aqueous film forming foam. |
| PFOA Perfluorooctane Acid | N | Range = 6.0 – 7.2 Highest detect = 7.2 Highest RAA = 6.6 | ppt | N/A | 14 | Discharge from industrial, chemical, and manufacturing factories, release of aqueous film forming foam. |
| Regulated Disinfectants | | Level Detected | | MRDL | | MRDLG |
| Chlorine | | Range = 1.0 – 1.2 ppm Highest Average = 1.1 ppm | | 4.0 ppm | | 4.0 ppm |

Chlorine: Water additive used to control microbes.

Cryptosporidium

Cryptosporidium is a microbial pathogen found in surface water throughout the U.S. Although filtration removes Cryptosporidium, the most commonly used filtration methods cannot guarantee 100 percent removal. Our monitoring indicates the presence of these organisms in the past in our source water. Current test methods do not allow us to determine if the organisms were viable or if they are capable of causing disease. Ingestion of Cryptosporidium may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immuno-compromised people, infants and small children, and the elderly are at greater risk of developing life-threatening illness. We encourage immuno-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water.

Veolia Water Matchaponix System started the second round of source water monitoring in accordance with the requirements of EPA’s Long Term 2 Enhanced Surface Water Treatment Rule in 2016. This monitoring continued through September 2018. The data collected in 2018 is presented in the Source Water Pathogen Monitoring Table below. Results of this monitoring will be used to determine whether additional treatment for removal/inactivation of *Cryptosporidium* is required.

| Source Water Pathogen Monitoring | | |
|----------------------------------|-------------------|---------------------------------------------------------------|
| Contaminant | Matchaponix Brook | Typical Source |
| Cryptosporidium Oocysts/L | 0 | Microbial pathogens found in surface water throughout the US. |
| Giardia Cysts/L | 0 | Microbial pathogens found in surface water throughout the US. |

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

Sources of Lead in Drinking Water

The Freehold Township Water Department and Veolia Water Matchaponix System 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 the Freehold Township Water Department at 732-294-2170 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 Freehold Township 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, contact Timothy Keune at the Freehold Township Water Department (732) 294-2170. 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 Freehold Township 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 on our website at <https://twp.freehold.nj.us> or upon request.

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

Definitions:

In the “Test Result” tables 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 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 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.

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.

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

Turbidity – is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

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.

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

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 Rule (UCMR5)

Freehold Township and Veolia Water Matchaponix System participated in the UCMR5 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 full UCMR5 test results are available upon request.

| Contaminant | Voilation Y/N | Freehold Township | Veolia | Unit Measurement | MCLG | MCL | Major Sources in Drinking Water |
|--------------------------------------|---------------|-------------------------------|------------------------------|------------------|------|------------|---------------------------------------------------------|
| Perfluorooctanic Acid (PFOA) | N | ND | Not reported | ppt | N/A | EPA MRL 10 | Used in produce stain, grease, Heat and water resistant |
| Perfluorobutanesulfonic Acid (PFBS) | N | ND | Range 2.5 – 2.9 Avg – 2.7 | ppt | N/A | N/A | Used in produce stain, grease, Heat and water resistant |
| Perfluoroheptanoic Acid (PFHpA) | N | ND | Range 2.1 – 2.4 Avg – 2.3 | ppt | N/A | N/A | Used in produce stain, grease, Heat and water resistant |
| Perfluorohexanesulfonic Acid (PFHxS) | N | ND | Range ND – 2.0 Avg – 1.0 | ppt | N/A | N/A | Used in produce stain, grease, Heat and water resistant |
| Perfluorooctanic Acid (PFPeA) | N | ND | Not reported | ppt | N/A | N/A | Used in produce stain, grease, Heat and water resistant |
| Perfluorohexanoic Acid (PFHxA) | N | ND | Range 4.7 – 5.2 Avg – 5.0 | ppt | N/A | N/A | Used in produce stain, grease, Heat and water resistant |
| Lithium | N | Range ND – 17.0 Avg – 10.9 | Not reported | ppb | N/A | 9 | Erosion of natural deposits |

Veolia Water Matchaponix- PWSID # NJ1326004

Veolia Water Matchaponix is a public community water system consisting of 1 surface water intake.

This system's source water comes from the Matchaponix Brook.

Susceptibility Ratings for Veolia Matchaponix Source

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.

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 |
| Surface water intakes - 1 | 1 | | | 1 | | | | 1 | | | 1 | | | 1 | | | | 1 | | | 1 | | | |

Freehold Township Water Department- PWSID # NJ1316001

Freehold Township Water Department is a public community water system consisting of 10 wells.

This system's source water comes from the following aquifers: Englishtown Aquifer System and the Potomac-Raritan-Magothy Aquifer System.

This system purchases water from the following water system: Veolia Water New Jersey Matchaponix System.

Susceptibility Ratings for Freehold Township 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 - 10 | | | 10 | | | 10 | | | 10 | | | 10 | | 2 | 8 | | 6 | 4 | | | 10 | | 9 | 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.

If you have questions about this report, or concerning your water utility, please call Timothy Keune at the Freehold Township Water Department: 732-294-2170. If you want to learn more, please attend any of our regularly scheduled Township meetings. Thank you.