TWW entered into an Administrative Consent Order (ACO) dated Feb. 2018 with the New Jersey Department of Environmental Protection to cover the finished water reservoir. Under the ACO, the construction of the cover is scheduled to be completed by July 31, 2023. The ACO also addresses additional requirements for TWW's system operation, emergency response plan and system staffing.

TWW entered into a second Administrative Consent Order dated July 26, 2018 on the New Jersey Safe Drinking Water regulations, specifically N.J.A.C. 7:10-5.1,5.2(a)(9), incorporated by reference, the Lead and Copper Rule 40 CFR 141.80 et. seq.

## **Corrective Actions for Disinfection Byproduct Levels**

TWW implemented several corrective actions to bring down DBP levels. The corrective actions included: a study assessing moving the permanganate application point before superpulsators (still collecting data to study effect prior to commencement), upgrading of chlorine contact tanks, replacing filter media on 12 filters in 2019 and another 12 in 2020, and more frequent flushing of the distribution system. TWW's DBPs have been within regulatory limits since February 2019.

## **COVID-19 and Drinking Water**

TWW continues to provide safe drinking water to the communities it serves. The COVID-19 Pandemic has not affected TWW's ability to continue to provide safe drinking water to its customers. COVID-19.

The coronavirus (COVID-19) pandemic is impacting communities throughout the world. We are working around the clock to ensure that safe, reliable water service continues to flow.

## **Capital Improvements**

TWW is investing in our infrastructure to improve system reliability, water quality and operational performance. We have developed a six-year capital plan to meet our overall objectives.

Projects currently underway include the raw water intake improvement project, superpulsator upgrade, Pennington reservoir replacement project, meter replacement program, water treatment plant facility upgrade, and the gravity thickener rehabilitation.

## For More Information:

The City of Trenton values our customers and works hard to ensure their satisfaction. For more information, we welcome you to attend a City Council meeting, held twice a month on Tues/Thurs at 5:30 PM, located at 319 East State Street, 2nd Fl, Trenton NJ.

For more specific dates, please visit the City Council Meetings, Agendas & Minutes tab on our website, www.trentonnj.org.

If you have questions or comments about this report, please contact (609) 989-3055 between 8:30 AM and 4:00 PM, or contact the following for more information.

## **New Jersey Department of Environmental Protection**

Bureau of Safe Drinking Water. 609-292-5550 or www.state.nj.us/dep/watersupply/

Or Drinking Water Watch at:

https://www.state.nj.us/DEP WaterWatch public/index.jsp

**United States Environmental Protection Agency** 

1-800-426-4791 or www.epa.gov/safewater.

Este inform contiene infomacion muy importante sobre su aqua beber.

## The Water Source Used by Trenton Water Works

Trenton Water Works is a public community water system serving approximately 217,000 customers. This system's source water is drawn from Delaware River through an intake north of the Calhoun St. Bridge. The water is treated at the TWW Filtration plant on Route 29 S, and piped to the distribution system.

Trenton Water Works also has arrangements to purchase ground water from an adjacent system as needed.

## Susceptibility Ratings for Trenton Water Works 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 (0) and intakes (1) 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

The eight contaminant categories are defined below. NJDEP 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, NJDEP may customize (change existing) monitoring schedules based on the susceptibility ratings.

# **Source Water Assessment for Trenton Water Works**

|                              | Pi | thogo | ns | N | utrier | nts | P | esticid | les | - ( | /olatil<br>)rgani<br>mpoui | ic | In | organ | ies |   | Radio |   | 1 | Rador | 1 | By | infect<br>produ<br>ecurso | ict |
|------------------------------|----|-------|----|---|--------|-----|---|---------|-----|-----|----------------------------|----|----|-------|-----|---|-------|---|---|-------|---|----|---------------------------|-----|
| Sources                      | Н  | M     | L  | Н | М      | L   | Н | M       | L   | Н   | M                          | L  | Н  | М     | L   | Н | M     | L | Н | M     | L | Н  | M                         | L   |
| Wells - 0                    |    |       |    |   |        |     |   |         |     |     |                            |    |    |       |     |   |       |   |   |       |   |    |                           |     |
| GUDI - 0                     |    |       |    |   |        |     |   |         |     |     |                            |    |    |       |     |   |       |   |   |       |   |    |                           |     |
| Surface water<br>intakes - 1 | 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

Notice to Landlords You are required by law to make this report available to all water consumers. Please post in a visible location or distribute to all ten-ants. Additional copies are available by calling 609-989-3208

The City of Trenton is pleased to present the

# TRENTON WATER WORKS VATER

Quality drinking water is an essential resource. The good news is your tap water is top quality. Our water meets all federal and state standards.



# Your drinking water:

# It's high quality. It's reliable.

And we are continuing to make the necessary investments to keep it that way.



Trenton Water Works also has access to purchased groundwater as emergency water source from an adjacent water system. For further source water information, contact NJDEP Drinking Water Watch.

## **Important Information about Your Drinking Water**

Trenton Water Works Violation-Description of noncompliance

2019-4101 3/6/19 Failed to remediate LRAA MCL within one year for TTHM issued 3/19/19.

2019-4103 Turbidity 1. Failure to conduct continuous monitoring 2. Failure to record IFE results every 15 minutes (since they kept the bed on and it wasn't recording properly) 3. Failure to take the daily grab sample on 5/4/19 to verify analyzers as indicated below

2019-4102 system failed to conduct grab samples after a continuous monitoring IFE failure at filter #3E and 7W. Continuous monitoring equipment failed on 05/04/2019 @ 12:40 AM and was noticed on 05/04/2019 at 6:00 PM;

2020-4106 Failure to replace 14 percent of all lead service lines by July 31, 2020.

# What should you do?

There is nothing you need to do at this time. You do not need to boil your water or take other corrective actions at his time. If a situation arises where the water is no longer safe to drink, you will be notified within twenty-four hours.

# Potential adverse health effects from the violations:

Lead: Infants and Children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

**Turbidity:** Turbidity is a measure of the cloudiness in water and an indicator of water quality. Turbidity determines how effective the disinfection is in the water.

**TTHM:** Some people who drink water containing Trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys or central nervous system, and may have increased risk of getting cancer.

## What is being done?

## Trenton Water Works Lead Service Replacement and **Corrosion Control Treatment Program**

Trenton Water Works has developed a program to reduce the exposure to lead for their customers in the drinking water as a response to an exceedance of the Lead Action Level in the Lead and Copper Rule in the first half of 2017. TWW has authorized \$24,000,000 in contract work to replace approximately 3800 lead service lines in the service area by 2020 with assistance from State funding. A second phase of work valued at \$25.000.000 is currently in progress to replace another 3400 lead services. Even when a lead service line is replaced, home plumbing materials installed prior to mid-1980 may still contain lead.

In parallel with the lead service line replacement program, TWW is upgrading treatment to reduce lead in drinking water. Phase 1 went on-line in December 2019. Phase 2 is anticipated to be in place by the end of 2020. TWW met water quality regulations for lead throughout the course of 2019. TWW continues to improve your drinking water every day based on State and Federal regulations.

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.

The assessment of the source water determined the following:

The susceptibility of the Delaware River to eight contaminant categories was evaluated. The Delaware River received a high susceptibility rating for pathogens, nutrients, inorganics, and disinfection byproducts (DBP's): a medium susceptibility rating for pesticides and volatile compounds (VOCs); and a low susceptibility rating for radionuclides and radon. All surface water sources in New Jersey are considered to be highly susceptible to pathogens and have a low susceptibility to radionuclides and radon.

The NJDEP found the following potential contaminant sources within the source water assessment area for the system's source:

- •Agriculture, residential, urban, and commercial and industrial land use.
- •Solid Waste landfills, solid waste resource recovery facilities, solid waste transfer facilities, compost facilities, Class B recycling facilities
- •NJPDES permitted Facilities

**Trenton, NJ 08604-0528** 

**Trenton Water Works** 

P.O. Box 528

•Underground storage tanks.

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 naturallyoccurring 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
- · 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 residential uses. · Organic chemical contaminants, including synthetic and volatile organic chemi-
- cals, 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.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426- 4791).

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.

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 http://www.nj.gov/dep/ watersupply/swap/index.html, or by contacting the NJDEP, Bureau of Safe Drinking Water at 609-292-5550 or watersupply@dep.nj.gov

## **Acronyms and Definitions**

**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.

**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.

**Secondary Maximum Contaminant Level (SMCL):** Any contaminant in drinking water which may adversely affect the taste, color, odor, or appearance of such water, or which may adversely affect the public welfare.

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.

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

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

**Variances and Exceptions:** State or EPA permission not to meet a MCL or a treatment technique under certain conditions.

**ppm:** Concentration in parts per million or milligrams per liter (mg/L); this is equivalent to \$0.01 of \$10,000.

AL: Action Level for Lead or Copper

**DBPR:** Disinfectant Byproduct Rule

NJDEP: New Jersey Department of Environmental Protection

**ppb:** Concentration in parts per billion or micrograms per liter ( $\mu g/L$ ); this is equivalent to \$0.01 of \$10,000,000.

pCi/L: Picocuries per liter; a measure of radioactivity.

**NLE:** No Level Established

**NTU:** Nephelometric turbidity units (units describing how cloudy a water sample appears).

MFL: million fibers per liter.

<: When seen in the table, it usually refers to below detectable levels.

≤: Less than or equal to; when seen in the table, it usually refers to below or equal to detectable levels.

TT: Treatment Technique violation.

**Contaminant:** Anything found in water (including microorganisms, minerals, chemicals, radionuclides, etc.) that may be harmful to human health.

**Raw Water:** Water in its natural state prior to any treatment for drinking.

**Source Water:** Water in its natural state originating from the watershed that supplies a water system with its raw water.

**Watershed:** The land area from which water drains into a stream, river, or reservoir.

**Treated Water:** Water to be used by a public water system that has received the application of approved water treatment chemicals.

**Drinking Water:** Water that has been treated to comply with EPA

regulations and is pumped to the water customer for use. **Turbidity:** Turbidity is a measure of the cloudiness of the water, which is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

# FOOTNOTES

- TWW averages 155 samples per month. The requirement is 120 samples monthly. An MCL violation would be triggered if > 5% of the samples had Total Coliform detected or any detection of E-coli.
- Beginning in 2017, Trenton Water Works was required to sample 100 sites every six months as are all large systems in the state. The data presented is from the samples taken from he two monitoring periods running from January 1 to June 30, 2019 and July 1 to December 31, 2019.
- 3. Stage 2 DBP monitoring is conducted quarterly. The results shown are from the 2019 quarterly sampling.
- 4. The highest Locational Running Annual Average (LRAA) for TTHM and HAA5 is reported per regulation. All LRAAs which exceed the MCL shall be included. The LRAA is the average of the current and three previous quarterly results for each sample site location. The table below shows the quarterly exceedances and the LRAA for those quarters.

| Site ID | DATE    | TTHMs (ppb) | LRAA (ppb) |
|---------|---------|-------------|------------|
| ST2ADD  | 11/6/19 | 81.8 ug/L   | 58.3       |
| TTHM-2  | 11/6/19 | 80.5 ug/L   | 55.3       |
| TTHM-3  | 8/8/19  | 81.2 ug/L   | 54.2       |

- 5. Data presented is derived from 2019 quarterly sample site results.
- 6. Turbidity is a measure of the cloudiness of the water. 99.9% of the turbidity readings in 2019 were below the treatment technique requirement of 0.3 NTU. Only 1025 samples of 1,044,900 (0.1%), were greater than or equal to 0.3 NTU.
- Chlorine residual analysis are taken during Coliform (bacteria) sampling in the distribution system.
- Radioactive Contaminants (radionuclide) sampling is required every 9 years. The current compliance period is 2011-2019. Only detected results are reported.
- 9. Inorganic compounds were tested in August of 2019 from the water leaving the Treatment plant.
- 10. NJDEP standards.(SMCL)
- Unregulated Contaminant Rule sampling assesses the potential risks associated with certain contaminants. The EPA will use this to determine if regulation is warranted for specific unregulated contaminants.
- 2. Cryptosporidium is a microbial pathogen found in surface water throughout the United States. Although filtration removes Cryptosporidium, the most commonly-used filtration methods cannot guarantee 100 percent removal. Our monitoring indicates the presence of these organisms in our source water. Current test methods do not allow us to determine if the organisms are viable or capable of causing disease. 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 spread through means other than drinking water.



# **Drinking Water Quality Results**

| BACTERIA <sup>1</sup>  | BACTERIA <sup>1</sup>                  |  |      |                    |  |  |  |  |  |  |  |  |
|------------------------|--|--|------|--------------------|--|--|--|--|--|--|--|--|
|                        | 2019 Positive Bacteria Results         | MCL  | MCLG | Violation<br>(Y/N) | Potential Source   |  |  |  |  |  |  |  |
| Total Coliform<br>(TC) | 7 positive samples out of 1,866 (0.4%) | Presence of coliform bacteria > 5% of monthly samples.                 | 0    | N                  | Naturally present in the environ-<br>ment; their presence indicates<br>potential contamination |  |  |  |  |  |  |  |
| E. Coli (EC)           | 0                                      | A routine sample and repeat sample if total coliform positive. MCL = 0 | 0    | N                  | Animal or Human Fecal Waste  |  |  |  |  |  |  |  |

| METALS                               |                      |       |   |   |        |      |                    |                     |
|--------------------------------------|----------------------|-------|---|---|--------|------|--------------------|---------------------|
| Lead and<br>Copper Rule <sup>2</sup> | MONITORING<br>PERIOD | Units | 2019 Samples<br>Exceeding<br>Action Level | 90% of samples<br>were less than or<br>equal to in 2019 | MCL    | MCLG | Violation<br>(Y/N) | Potential Source    |
| 1st Draw Lead                        | Jan- June 2019       | anh   | 8 of 101                                  | 13  | AL=15  | 0    | N                  | Corrosion of House- |
| Ist Draw Lead                        | Jul - Dec 2019       | ppb   | 10 of 100                                 | 15  | AL-13  | 0    | N                  | hold Plumbing       |
| 1st Draw                             | Jan- June 2019       |       | 0 of 101                                  | 0.06  | AL=1.3 | 0    | N                  | Corrosion of House- |
| Copper                               | Jul - Dec 2019       | ppm   | 0 of 100                                  | 0.12  | AL-1.3 |      | N                  | hold Plumbing       |

|  |  |                 | '           |    |     |   |                         |  |  |  |  |  |
|--|--|-----------------|-------------|----|-----|---|-------------------------|--|--|--|--|--|
| DISINFECTION BYPRODUCTS (DBP) – STAGE 2 <sup>3</sup>   |  |                 |             |    |     |   |                         |  |  |  |  |  |
| Sampling Sites (9 Sites) Units 2019 Highest LRAA <sup>4</sup> 2019 Range of Values <sup>5</sup> MCL (Annual Average) MCLG Violation (Y/N) Potential Source |  |                 |             |    |     |   |                         |  |  |  |  |  |
| Total Trihalometh  | anes (TTH  | M)              |             |    |     |   |                         |  |  |  |  |  |
| TTHM's   | TTHM's ppb 79.05 (TTHM-2) 16.10 - 81.80 80 NLE N Disinfection Byproducts |                 |             |    |     |   |                         |  |  |  |  |  |
| Haloacetic Acids (HAA5)  |  |                 |             |    |     |   |                         |  |  |  |  |  |
| HAA5's   | ppb  | 45. 81 (TTHM-1) | 9.8 - 35.10 | 60 | NLE | N | Disinfection Byproducts |  |  |  |  |  |

| CLARITY C | CLARITY CHARACTERISTICS – TESTED AT WATER TREATMENT PLANT <sup>6</sup> |  |      |                                |                         |                       |                    |                                |  |  |  |  |  |
|-----------|--|--|------|--------------------------------|-------------------------|-----------------------|--------------------|--------------------------------|--|--|--|--|--|
|           | Units  | MCL  | MCLG | 2019 Highest<br>Reported Level | 2019 Range<br>of Values | 2019<br>Average Value | Violation<br>(Y/N) | Potential Source               |  |  |  |  |  |
|           |  | TT = 1 NTU   |      |                                |                         | 0.08 NTU              |                    |                                |  |  |  |  |  |
| Turbidity | NTU  | 95% of monthly<br>samples must be at or<br>below 0.3 NTU | 0    | 1.3 NTU                        | 0.0-1.3 NTU             | 99.9%                 | N                  | Soil runoff;<br>river sediment |  |  |  |  |  |

| FREE CHLO            | FREE CHLORINE RESIDUAL <sup>7</sup> |                        |      |       |                        |  |                 |                                    |  |  |  |  |  |
|----------------------|-------------------------------------|------------------------|------|-------|------------------------|--|-----------------|------------------------------------|--|--|--|--|--|
|                      | Units                               | 2019 Chlorine<br>Range | MRDL | MRDLG | 2019 Annual<br>Average | 2019 Highest Monthly<br>Average Result | Violation (Y/N) | Potential Source                   |  |  |  |  |  |
| Chlorine<br>Residual | ppm                                 | 0.00 - 1.50            | 4    | 4     | 0.50                   | 0.70                                   | N               | Chemical added to control microbes |  |  |  |  |  |

| RADIOACTIVE CONTAMINANTS IN TAP WATER <sup>8</sup> |       |                        |                         |     |      |                    |                             |  |  |  |  |
|--|-------|------------------------|-------------------------|-----|------|--------------------|-----------------------------|--|--|--|--|
|  | Units | 2014 Highest<br>Result | 2014 Range<br>of Values | MCL | MCLG | Violation<br>(Y/N) | Potential Source            |  |  |  |  |
| Alpha Emitters                                     | pCi/L | 2.0                    | N/A                     | 15  | 0    | N                  | Erosion of natural deposits |  |  |  |  |
| Combined Radium                                    | pCi/L | 0.05                   | N/A                     | 5   | 0    | N                  | Erosion of natural deposits |  |  |  |  |

| INORGANIC C              | OMPOUN | IDS <sup>9</sup>             |            |      |                    |   |
|--------------------------|--------|------------------------------|------------|------|--------------------|---|
|                          | Units  | 2019<br>Constituent<br>Level | MCL        | MCLG | Violation<br>(Y/N) | Potential Source  |
| Arsenic                  | ppb    | <1                           | 10         | 0    | N                  | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes                    |
| Asbestos                 | MFL    | <0.09                        | 7          | 7    | N                  | Decay of asbestos cement water mains; erosion of natural deposits   |
| Barium                   | ppm    | 0.02                         | 2          | 2    | N                  | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits                                |
| Chloride <sup>10</sup>   | ppm    | 48                           | 250 (SMCL) | NLE  | N                  | Naturally present in the environment and road salt.   |
| Chromium                 | ppb    | 0.74                         | 100        | 100  | N                  | Discharge from steel and pulp mills; erosion of natural deposits  |
| Fluoride                 | ppm    | 0.71                         | 4          | 4    | N                  | Erosion of natural deposits; water additive which promotes strong teeth; discharge for fertilizer and aluminum factories. |
| Hardness10               | ppm    | 110                          | 250        | NLE  | N                  | Naturally Occurring   |
| Nickel                   | ppb    | 2.5                          | 100        | 100  | N                  | Erosion of natural deposits; found in the earth's crust   |
| Nitrate<br>(as Nitrogen) | ppm    | 1.3                          | 10         | 10   | N                  | Runoff from fertilizer use; leaching from septic tanks; erosion of natural deposits                                       |
| Zinc                     | ppb    | 1.6                          | 5000       | NLE  | N                  | Naturally Occurring/ Plumbing Fixtures  |
| Sodium <sup>10</sup>     | ppm    | 17                           | 50         | NLE  | N                  | Naturally Occurring   |
| Sulfate <sup>10</sup>    | nnm    | 14                           | 250        | NLF  | N                  | Naturally Occurring   |

| UCMR4 SUBSTANCES: Unregulated Compounds <sup>11</sup> |       |     |      |                           |                 |                               |  |  |  |  |  |
|---|-------|-----|------|---------------------------|-----------------|-------------------------------|--|--|--|--|--|
|   | Units | MCL | MCLG | Average Level<br>Detected | Range of Values | Potential Source              |  |  |  |  |  |
| Anatoxin A  | ug/L  | NLE | NLE  | < 0.030                   | < 0.030         | Cyanobacteria, often referred |  |  |  |  |  |
| Cylindrospermopsin                                    | ug/L  | NLE | NLE  | < 0.090                   | < 0.090         | to as "blue-green algae," are |  |  |  |  |  |
| Total Microcystins                                    | ug/L  | NLE | NLE  | < 0.030                   | < 0.030         | photosynthesizing bacteria    |  |  |  |  |  |

| Source Water Pathogen Monitoring 12 |                   |  |  |  |  |  |  |  |  |  |
|-------------------------------------|-------------------|--|--|--|--|--|--|--|--|--|
| Contaminant                         | TWW Source Waters | Typical Source   |  |  |  |  |  |  |  |  |
| Cryptosporidium, Oocysts/L          | 0.0 -0.18         | Microbial pathogens found in surface waters throughout the United States |  |  |  |  |  |  |  |  |
| Giardia, Cysts/L                    | 0.0 - 0.67        | wherobial pathogens found in surface waters throughout the Office States |  |  |  |  |  |  |  |  |

| ORTHOPHOSPHATE | ORTHOPHOSPHATE |     |      |                           |                 |                            |  |  |  |  |  |  |
|----------------|----------------|-----|------|---------------------------|-----------------|----------------------------|--|--|--|--|--|--|
|                | Units          | MCL | MCLG | Average Level<br>Detected | Range of Values | Potential Source           |  |  |  |  |  |  |
| Orthophosphate | mg/L           | NLE | NLE  | 0.07                      | <0.1 - 0.24     | Corrosion control chemical |  |  |  |  |  |  |

# Other Notes:

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 microbial contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.

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. Trenton Water Works 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 seconds to 2 minutes before using water for drinking or 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 www.epa.gov/safewater/lead.