



### Vulnerable Populations Statement

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 pathogens are available from the Safe Drinking Water Hotline (1-800-426-4791).

### How Do I Read the Table of Detected Contaminants?

Starting with the **Contaminant**, read across from left to right. A "Yes" under **Compliance Achieved** means the amount of the substance met government requirements. The column marked **MCLG, Maximum Contaminant Level Goal**, 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. The shaded column marked **MCL, Maximum Contaminant Level**, 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. The shaded column marked **Range Detected** shows the highest and lowest test results for the year. The column marked **Highest Level Detected** shows the highest test results during the year. **Typical Source** shows where this substance usually originates. Compare the Range Detected values with the MCL column. To be in compliance, the Highest Level Detected must be lower than the MCL standard. Those substances not listed in the table were not found in the treated water supply.

As you can see from the table, our system had no MCL violations again this year. The footnotes and the definitions below will help you interpret the data presented in the Table of Detected Contaminants.

### Table Definitions

- **Action Level:** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- **MCLG (Maximum Contaminant Level Goal):** 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.
- **MCL (Maximum Contaminant Level):** 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.
- **NA: Not Applicable**
- **ND: Not Detected**
- **90th Percentile Value:** Of the samples taken, 90% of the values of the results were below the level indicated in the table.
- **ppb (parts per billion):** One part substance per billion parts water (or micrograms per liter).
- **ppm (parts per million):** One part substance per million parts water (or milligrams per liter).
- **pCi/L (picoCuries per liter):** Measurement of the natural rate of disintegration.
- **NTU (Nephelometric Turbidity Units):** Measurement of the clarity, or turbidity, of water.
- **TT (Treatment Technique):** A required process intended to reduce the level of a contaminant in drinking water.
- **RUL: Recommended upper limit**

PWS ID# NJ 0322001 - Moorestown Table of Detected Contaminants - 2005

Regulated Substances							
Contaminant	Units	Compliance Achieved	MCLG	MCL	Range Detected	Highest Level Detected	Typical Source
<b>Inorganic Chemicals</b>							
Barium	ppm	Yes	2	2	0.0230 to 0.0735	0.0735	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Arsenic	ppb	Yes	0	10	ND to 3.1	3.1	Discharge from steel and pulp mills; erosion of natural deposits
Selenium	ppm	Yes	4	4	ND to 0.0028	0.0028	Erosion of natural deposits; water additive that promotes strong teeth
Manganese	ppm	Yes	0	0.05	ND to 0.0101	0.0101	Naturally present in the environment
Nickel	ppm	Yes	0	0.1	ND to 0.0101	0.0101	Naturally present in the environment
Nitrate	ppm	Yes	10	10	ND to 4.47	4.5	Runoff from fertilizer use; industrial or domestic wastewater discharges; erosion of natural deposits
<b>Treatment Byproducts</b>							
Five Haloacetic Acids [HAA5]	ppb	Yes	NA	60	ND to 5	5	By-product of drinking water disinfection
Total Trihalomethanes [TTHMs]	ppb	Yes	NA	80	ND to 47.6	48	By-product of drinking water disinfection
<b>Volatile Organic Chemicals</b>							
All Volatile Organic Compounds < Method Detection Limit	NA	Yes	NA	ND		ND	Leaking underground gasoline and fuel oil tanks, gasoline and fuel oil spills

Tap water samples were collected from 33 homes in the service area for Copper/Lead

Contaminant	Units	Compliance Achieved	MCLG	Action Level	Amount Detected (90th %tile)	Homes Above Action Level	Typical Source
Copper	ppm	Yes	1.3	1.3	0.0453	0	Corrosion of household plumbing systems
Lead	ppb	Yes	0	15	5.2	0	Corrosion of household plumbing systems

Secondary Contaminants

Contaminant	Units	RUL	Range Detected	Highest Level Detected	Typical Source
Sodium	ppm	50	ND to 5.85	5.85	Naturally Occurring

Moorestown Township purchases treated surface water from The Delaware River Regional Water Treatment Plant (PWSID # NJ 0327001) operated by New Jersey American Water and located in Delran.

PWS ID# NJ0327001 - Table of Detected Contaminants - 2005

Regulated Substances							
Contaminant	Units	Compliance Achieved	MCLG	MCL	Range Detected	Highest Level Detected	Typical Source
<b>Inorganic Chemicals</b>							
Barium	ppm	Yes	2	2	0.014	0.014	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Nickel	ppm	Yes	0.1	0.1	0.001	0.001	Erosion of natural deposits
Nitrate	ppm	Yes	10	10	1.64	1.64	Runoff from fertilizer use; industrial or domestic wastewater discharges; erosion of natural deposits
<b>Volatile Organic Chemicals</b>							
Methyl Tertiary Butyl Ether (MTBE)	ppb	Yes	70	70	0.5	0.5	Leaking underground gasoline and fuel oil tanks, gasoline and fuel oil spills
<b>Turbidity</b>							
Turbidity <sup>1</sup>	NTU	Yes	NA	TT	0.04 to 0.22	0.22	Soil runoff
<b>Treatment Byproducts Precursor Removal</b>							
Total Organic Carbon	% Removal	Yes	NA	TT - 35% Removal Required	38 - 65	42.5 <sup>2</sup>	Naturally present in the environment
<b>Radiological Substances</b>							
Alpha Emitters	pCi/L	Yes	0	15	0 to 1.89	1.15 <sup>2</sup>	Erosion of natural deposits
Combined Radium (226/228)	pCi/L	Yes	0	5	0 to 1.05	0.167 <sup>2</sup>	Erosion of natural deposits
<b>Secondary Contaminants</b>							
Sodium	ppm	50	4 to 60	11		Naturally Occurring	
For healthy individuals, the sodium intake from water is not important, because a much greater intake of sodium takes place from salt in the diet. However, sodium levels above the recommended upper limit may be a concern to individuals on a sodium restricted diet							
Sulfate	ppm	250	13.4	13.4		Erosion of natural deposits	

#### Footnotes

1. 100% of the turbidity readings were below the treatment technique requirement of 0.3 NTU. Turbidity is a measure of the cloudiness of the water. It is used as an indication of the performance of the surface water treatment plant in Delran. We monitor turbidity because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.
2. This level represents the highest annual quarterly average calculated from the data collected. Compliance is based on running annual average.

### Water Quality Statement



The data presented in the Table of Detected Contaminants is the same data collected to comply with U.S. Environmental Protection Agency and New Jersey state monitoring and testing requirements. We have learned through our testing that some contaminants have been detected, however, these contaminants were detected well below the levels set by the EPA to protect public health. To assure high quality water, individual water samples are taken each year for chemical, physical and microbiological tests. Tests are done on water taken at the source, from the distribution system after treatment and, for lead and copper monitoring, from the customer's tap. Testing can pinpoint a potential problem so that preventive action may be taken. The Safe Drinking Water Act regulations allow monitoring waivers to reduce or eliminate the monitoring requirements for asbestos, volatile organic chemicals, and synthetic organic chemicals. Our system has received monitoring waivers for synthetic organic chemicals and asbestos.

### Wise Water Use Tips

Wise water use is an important first step in protecting our water supply. Such measures not only save the supply of our source water, but can also save you money by reducing your water bill. Here are a few suggestions:

#### Wise water tips you can use inside your home:

- Fix leaking faucets, pipes, toilets, etc.
- Replace old fixtures; install water-saving devices in faucets, toilets and appliances.
- Wash only full loads of laundry.
- Do not use the toilet for trash disposal.
- Take shorter showers.
- Do not let the water run while shaving or brushing teeth.
- Soak dishes before washing.
- Run the dishwasher only when full.

#### Sources of Information:

- U.S. Environmental Protection Agency Safe Drinking Water Hotline: 1-800-426-4791
- New Jersey Department of Environmental Protection Bureau of Safe Drinking Water: (609) 292-5550
- New Jersey Board of Public Utilities: (973) 648-2350  
Two Gateway Center, Newark, NJ 07102  
Division of Customer Relations: 1-800-624-0241