Fairfield Township Water Department 2015 Water Quality Report

The Fairfield Township Water Department is pleased to present you with the following Water Quality Consumer Confidence Report. In complying with recent legislation, we have compiled this report in order to provide you with valuable information regarding your drinking water. In reading this report we hope that you will realize the efforts made to provide you with safe potable drinking water.

If you have any questions about this report or concerning your water utility, please contact Jay Axtell at (973) 882-2700 Ext. 2031. We want our customers to be informed about their water utility.

The Fairfield Water Department routinely monitors for contaminants in your drinking water according to federal and state laws. The enclosed table shows the results of our monitoring for the period of January 1st to December 31, 2014.

Where does your water come from?

At the present time the Township of Fairfield purchases its potable water in bulk from the Passaic Valley Water Commission. Passaic Valley Water Commission (PVWC) is one of the largest purveyors in northern New Jersey. The water delivered by PVWC is obtained from various sources.

The water which is delivered to Fairfield is received by PVWC from the North Jersey District Water Supply Commission (NJDWSC), namely the Wanaque and Moncksore reservoirs. The 29.6 billion gallon Wanaque and 7.0 billion Moncksore are two of the most pristine reservoirs in the county. In addition to the storage capability of these two reservoirs NJDWSC operates two pumping stations which are permitted to deliver 250 million gallons of water per day from the Ramapo River to the Wanaque Reservoir.

Source Water Assessments

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 www.state.nj.us/dep/dwpwrs/ or by contacting the NJDEP, Bureau of Safe Drinking Water at (609) 292-5550.

The Township of Fairfield is provided water by the North Jersey District Water Supply Commission. The PWS ID# for NJDWSC is 1613001, and the PWS ID# for Fairfield Water Department is 0707001.

Treatment of Our Water

Since surface water may contain organisms which could make consumers ill, NJDWSC purifies the water with the addition of chlorine as the primary disinfectant. The disinfection process not only provides disinfection of the water but also maintains the disinfection of the pipes which transport the water to the Township of Fairfield. The NJDWSC Treatment plant is located in Wanaque where it filters and purifies the water to ensure its safety and potability. The purification and potability of your drinking water is monitored daily by the NJDWSC, PVWC and the Township of Fairfield Water Department.

When organic compounds in untreated water react with the disinfectant, they may produce by-products. In excessive quantities these by-products may have harmful side effects. Since the by-product levels may vary according to chlorine detention time these levels, known as trihalomethanes (THMs), are monitored not only by NJDWSC but also by PVWC and Fairfield Water Department. These THM levels routinely comply with maximum contaminant levels (MCLs) set forth by the State of New Jersey Department of Environmental Protection. The Township of Fairfield has been informed by the NJDWSC that they have recently modified the treatment process to further reduce the amount of naturally occurring organics in its watershed.

Conservation

The township of Fairfield encourages water conservation. Information regarding conservation may be obtained by contacting the water department at (973) 882-2700 230 Fairfield Rd, Fairfield, NJ 07004

Continued on next page
Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas projection, mining, or farming. Turbidity is monitored because it is a good indicator of erosion of natural deposits. We do not add fluoride to your drinking water. Although turbidity levels may vary according to rainfall, those recorded by the township are regularly below the MCL. If you are caring for an infant and are concerned about nitrate levels you may seek advice from your child's physician.

Irritants in the drinking water at levels above 10 ppm is a health risk for children under six (6) months of age. High levels of nitrate have been attributed to blue baby syndrome. Although nitrate levels may vary according to rainfall, those recorded by the township are regularly below the MCL. If you are caring for an infant and are concerned about nitrate levels you may seek advice from your child's physician.

### Fire Hydrant Flushing

The Fire Hydrant flushing team tests fire hydrants twice a year throughout the distribution system. Fire hydrant flushing helps remove any sediment from the water mains which helps to assure consistent water quality. Flushing is performed during the early morning hours to minimize any inconvenience to our customers. Flushing also ensures that the hydrants are checked for proper operation. Spring and Fall flushing are announced on local channel 34/43 as well as in local newspapers.

### Security

In order to protect our customer security all of our employees carry photo IDs. Customers are urged to request this identification prior to allowing access to their homes. Should consumers have security concerns please ask the employee to wait and contact the Water Department at 882-2700. Additionally, should you doubt an employer’s validity or should he/she fail to provide ID, please contact the Police Department at (973) 227-1400 or Water Department immediately.

### Water Quality

On the opposite page you will find a table which outlines the 2015 testing parameters. As you can see, the Township of Fairfield and its supplier are making every effort to ensure that Fairfield continues to provide the highest quality drinking water to its customers. The data is compiled from test data received from NJDPS and analysis performed by the Township of Fairfield.

### Information Sites

EPA Drinking Water Website (www.epa.gov/afewater) 
Fairfield Water Department (973) 882-2700

### Terminology

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close as feasible to the MCLs 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.

SMCL = Secondary Maximum Contaminant Level. Recommended to protect aesthetic quality.

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

LRAA = Locational Running Annual Average

NDEP = New Jersey Department of Environmental Protection. The primary regulatory agency which oversees the proper operation of the state’s water purveyors.

EPA = Environmental Protection Agency. The federal agency which governs the individual state agencies.

NS = No Standard. At this time there is no standard available or testing required for this parameter.

PPM = Parts Per Million.

PPB = Parts Per Billion.

NTU = Nepholometric Turbidity Units.

RUL = Recommended Upper Limit. The highest level of a constituent of drinking water that is recommended in order to protect aesthetic quality.

N/D = Not Detected.