

Quality on Tap Report
Annual Drinking Water Quality Report
Elmwood Park Water Department
For the Year 2013
Public Water System ID # 0211001

Dear Consumer:

During calendar year 2013, the Borough of Elmwood Park water supply was tested for over 80 contaminants that might be found in water. These tests included items ranging from taste and odor to bacteriological and chemical contaminants. The United States Environmental Protection Agency (USEPA) and the New Jersey Department of Environmental Protection (NJDEP) set health and safety standards for public water supplies. We are pleased to inform you that your water meets or exceeds the health and safety standards put forth.

This annual Consumer Confidence Report (CCR), required by the Safe Drinking Water Act (SDWA), provides additional information on our sources of supply and the quality of the water we deliver. For more information on this report or about the next opportunity for public participation in decisions concerning drinking water, please contact;

Robert De Block, Licensed Water System Operator
Borough of Elmwood Park
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Elmwood Park, New Jersey 07407
973-998-9100

The Elmwood Park Water Department is a division of local government working under the direction of the Mayor and Council. All meetings of the Mayor and Council are advertised in advance in the legal section of the local newspaper. The Elmwood Park Water Department will notify consumers as required by the NJDEP if water quality fails to meet the standards.

General Information

Rivers, lakes, streams, ponds, reservoirs, springs and wells are sources for both tap water and bottled water. As water travels over the surface of land or through the ground, it dissolves naturally occurring minerals and in some cases, radioactive material, and picks 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 operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally occurring or the result from urban storm water runoff, and residential uses.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Organic, chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also, come from gas stations, urban storm water 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, the 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. However, the presence of a contaminant does not necessarily indicate that the water poses a health risk.

Health and Educational Information

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 providers. EPA/CDC guidelines on the appropriate means to lessen the risk of infections by cryptosporidium and other microbial contaminants are available from the EPA's Safe Drinking Water Hotline at 800-426-4791.

Special Considerations Regarding Children, Pregnant Women, Nursing Mothers, and Others

Children may receive a slightly higher amount of a contaminant present in the water than do adults, on a body weight basis, because they may drink a greater amount of water per pound of body weight than do adults. For this reason reproductive or developmental effects are used for calculating a drinking water standard, especially if these effects occur at lower levels than other health effects of concern. If there is insufficient toxicity information for a chemical (for example, lack of data on reproductive or developmental effects), an extra uncertainty factor may be incorporated into the calculation of the drinking water standard, thus making the standard more stringent, to account for the additional uncertainties regarding these effects. In the case of lead and nitrate, effects on infants and children are the health endpoints upon which the standard is based.

Sources of Supply

The Elmwood Park water supply obtains its entire water supply from the Passaic Valley Water Commission (PVWC). Sources of supply include the Passaic River, and treated water that is supplied by the North Jersey District Water Supply Commission (NJDWSC). NJDWSC obtains water its supply from the Wanaque Reservoir.

Treatment

Water produced by the PVWC is treated at their water treatment plant in Little Falls. The NJDWSC supply is treated at their water treatment plant in Wanaque. The treatment at these plants includes pretreatment, sedimentation, filtration and disinfection.

The Borough of Elmwood Park, PVWC and the NJDWSC Water Quality Tables below list all the drinking water contaminants that were detected during calendar year 2013. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from January 1, 2013 through December 31, 2013. The NJDEP requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, may be more than one year old.

ADDITIONAL INFORMATION

The Safe Drinking Water Act regulations allow monitoring waivers to reduce or eliminate monitoring requirements for asbestos, volatile organic chemicals and synthetic organic chemicals. Our system received monitoring waivers for asbestos and we are not required to monitor for synthetic organic chemicals.

The MCL's listed in the following tables are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, a person would have to drink two liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

**Table 1
Elmwood Park Water Department - Water Quality Report**

Microbiological Contaminants

Regulated Contaminant	Units	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Level	Source of Contamination
Total Coliform Bacteria	NA	Yes	0	Not more than 1 positive sample per month	1	Coliform are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful bacteria may be present.

The Elmwood Park Water Department collects 21 routine total coliform samples per month. Elmwood Park Water recorded a single positive sample for total coliform in the month of April, That sample was negative for e-coli. In conformance with the rules a repeat sample was collected from the same location and 4 additional check samples were taken upstream and downstream of the location of the positive sample within 24 hours and retested. All repeat and check samples were negative therefore the system remained in compliance.

REGULATED DISINFECTANTS and DISINFECTION BYPRODUCTS

Stage 2 Disinfection Byproducts, Note: Stage 2 DBP compliance is based on the locational running annual average (LRAA) calculated at each monitoring location. The LRAA for Stage 2 THM's was exceeded at two locations during the 2nd Quarter of 2013. The system has returned to acceptable levels during the last three quarters.

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	LRAA Maximum of all Sites	LRAA Range of all Averages	Source of Contamination/ and Comments
Total Trihalomethanes (TTHM) Stage 2	PPB	No – Two locations exceeded the 80 PPB Rolling Annual Avg. in the 2 nd Quarter.	85.4	52.3 – 85.4	Byproduct of water disinfection. / TTHM compliance is based on Locational Running Annual Average with a limit of 80 PPB.
Haloacetic Acids (HAA5) Stage 2	PPB	Yes	37.25	25.3 – 37.25	Byproduct of water disinfection. / HAA5 compliance is based on Locational Running Annual Average With a limit of 40 PPB

Disinfectants: Limit is based upon the Running Annual Avg. (RAA) reported quarterly.

Regulated Contaminant	Units	COMPLIANCE ACCHIEVED	MRDLG	MRDL	Highest RAA Detected	Range Detected	Source of Contamination
Chlorine as CL2 (Running avg.)	PPM	Yes	4	4	.9	.1 – 1.6	Chlorine is used as a drinking water disinfectant.

Secondary Contaminants

Regulated Contaminant	Units	COMPLIANCE ACCHIEVED	RUL	Highest Detected	Range Detected	Source of Contamination
Iron	PPM	Yes	.3	<0.05	<0.05	Erosion of natural deposits, discharge of drilling waste and discharge from metal refineries.
Manganese	PPM	Yes	0.05	.00813	.00813	Erosion of natural deposits.

Lead and Copper: Lead and Copper, Triennial Sampling Schedule, Results below from 2012

Regulated Contaminant	Units	COMPLIANCE ACCHIEVED	MCLG	Action Level	90 th Percentile Result	Source of Contamination
Copper	PPM	Yes	1.3	1.3	0.0809	Corrosion of household piping systems.
Lead	PPB	Yes	0	15	3.56	Corrosion of household piping systems.

Table 2
Passaic Valley Water Commission Water Quality Report

PRIMARY CONTAMINANTS

Regulated Contaminant	Units	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Level	Range Detected	Source of Contamination
Turbidity	NTU	Yes	NA	TT (1 NTU)	.69	.03 - .69	Soil Runoff.
		Yes	NA	TT (% of samples <0.3 NTU) Minimum 95% Required	99.9%	NA	
Total Organic Carbon	%	Yes	NA	TT (25% - 45% Minimum Removal Required)	58% Lowest Achieved	58% - 73%	Naturally present in the environment.

INORGANIC CONTAMINANTS

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Result	Range Detected	Source of Contamination/ and Comments
Antimony	PPB	Yes	6	6	ND	ND	Discharge from petroleum refineries, fire retardants, ceramics, electronics and solder.
Arsenic	PPB	Yes	0	5	.98	ND - .98	Erosion of natural deposits, runoff from orchards; runoff from glass and electronics production waste.
Barium	PPM	Yes	2	2	0.025	0.015 - 0.022	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Beryllium	PPM	Yes	4	4	ND	ND	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Bromate	PPM	Yes	0	10	ND	ND	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Cadmium	PPM	Yes	5	5	ND	ND	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Chromium	PPB	Yes	100	100	0.24	ND - 0.24	Erosion of natural deposits, discharge from steel & pulp mills.
Fluoride	PPM	Yes	4	4	.096	0.076 - 0.96	Erosion of natural deposits
Nickel	PPB	NA	NA	NA	2.4	1.9 - 2.4	Erosion of natural deposits
Nitrate	PPM	Yes	10	10	4.4	.83 - 4.4	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.
Nitrite	PPM	Yes	1	1	ND	.83 - 4.4	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.
Selenium	PPM	Yes	50	50	ND	.83 - 4.4	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.

ORGANIC CONTAMINANTS

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Result	Range Detected	Source of Contamination/ and Comments
Toluene	PPB	Yes	1000	1000	ND	NA	Discharge from petroleum factories

SECONDARY CONTAMINANTS:

Detected Secondary Analytes	UNIT	RUL Achieved	RUL	Range of Result	Likely Source of Contamination/ And Comments
Alkalinity	PPM	NA	NA	54 - 81	
Aluminum	PPB	YES	200	16 - 29	
Chloride	PPM	YES	250	70 - 130	Natural mineral and road salt.
Color	CU	YES	10	ND	
Corrosivity		YES	Non-Corrosive	Non - Corrosive	
Hardness (as CaCo3)	PPM	YES	250	84 - 192	Natural mineral deposits

Table 2 - Continued
Passaic Valley Water Commission Water Quality Report

SECONDARY CONTAMINANTS:

Detected Secondary Analytes	UNIT	RUL Achieved	RUL	Range of Result	Likely Source of Contamination/ And Comments
Hardness (as CaCo3)	Grains /Gal	YES	14.6	5 – 11	Natural mineral deposits
Iron	PPB	YES	300	ND	Natural mineral deposits.
Manganese	PPB	YES	50	5 – 10	Natural mineral deposits.
Odor	TON	NO	3	3 – 5	
pH	SU	YES	6.5 to 8.5	7.9 – 8.3	
Sodium	PPM	NO	50	32 – 121	
Sulfate	PPM	Yes	250	56 – 105	
TDS	PPM	Yes	500	282 – 483	
Zinc	PPB	YES	5000	5 – 5	Natural mineral deposits

PVWC was above New Jersey's Recommended Upper Limit (RUL) of 50 PPM for Sodium in 1983. Possible sources of sodium include natural runoff, roadway salt runoff, upstream wastewater treatment plants and a contribution from chemicals used in the water treatment process. 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. If you have concerns please contact your health care provider.

PVWC Little Falls Treatment Plant Effluent	The following monitored contaminants were not detected during 2013; Asbestos, Antimony, Beryllium, Bromate, Cadmium, Cyanide, Iron, Mercury, Nitrite, Selenium, Silver, Surfactants, Thallium and Volatile Organic Compounds.
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Table 3
NJDWSC Water Quality Report

PRIMARY CONTAMINANTS

Regulated Contaminant	Units	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Level	Range Detected	Source of Contamination
Turbidity	NTU	Yes	NA	TT (1 NTU)	0.58	0.07 Avg.	Soil Runoff.
		Yes	NA	TT (% of samples <0.3 NTU) Minimum 95% Required	99.9%	NA	
Total Organic Carbon	%	Yes	NA	TT (35% - Minimum Removal Required)	35% Avg.	28% – 41%	Naturally present in the environment.

INORGANIC CONTAMINANTS

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Result	Range Detected	Source of Contamination/ and Comments
Antimony	PPB	Yes	6	6	ND	NA	Discharge from petroleum refineries, fire retardants, ceramics, electronics and solder.
Arsenic	PPB	Yes	0	5	ND	ND	Erosion of natural deposits, runoff from orchards; runoff from glass and electronics production waste.
Barium	PPM	Yes	2	2	0.01	NA	Erosion of natural deposits, discharge of drilling waste and discharge from metal refineries.
Beryllium	PPM	Yes	4	4	ND	ND	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Bromate	PPM	Yes	0	10	ND	ND	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Cadmium	PPM	Yes	5	5	ND	ND	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Chromium	PPB	Yes	100	100	ND	NA	Erosion of natural deposits, discharge steel and pulp mills.

Table 3 - Continued
NJDWSC Water Quality Report

INORGANIC CONTAMINANTS - Continued

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Result	Range Detected	Source of Contamination/ and Comments
Fluoride	PPM	Yes	4	4	ND	NA	Erosion of natural deposits, water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Nickel	PPB	NA	NA	NA	ND	NA	Erosion of natural deposits

INORGANIC CONTAMINANTS

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Result	Range Detected	Source of Contamination/ and Comments
Nitrate	PPM	Yes	10	10	.21	NA	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.
Nitrite	PPM	Yes	1	1	ND	.83 – 4.4	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.
Selenium	PPM	Yes	50	50	ND	.83 – 4.4	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.

ORGANIC CONTAMINANTS

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Result	Range Detected	Source of Contamination/ and Comments
Toluene	PPB	Yes	1000	1000	ND	NA	Discharge from petroleum factories

SECONDARY CONTAMINANTS:

Detected Secondary Analytes	UNIT	RUL Achieved	RUL	Results	Likely Source of Contamination/ And Comments
Alkalinity	PPM	NA	NA	38	
Aluminum	PPB	YES	200	40	
Chloride	PPM	YES	250	40	Natural mineral and road salt.
Color	CU	YES	10	3	
Corrosivity		YES	Non-Corrosive	NA	
Hardness (as CaCo3)	PPM	YES	250	57	Natural mineral deposits
Hardness (as CaCo3)	Grains /Gal	YES	14.6	3	Natural mineral deposits
Iron	PPB	YES	300	ND	Natural mineral deposits.
Manganese	PPB	YES	50	ND	Natural mineral deposits.
Odor	TON	YES	3	NA	
pH	SU	YES	6.5 to 8.5	7.9	
Sodium	PPM	YES	50	22	Natural mineral deposits and road salt
Sulfate	PPM	YES	250	9	
TDS	PPM	YES	500	152	
Zinc	PPB	YES	5000	615	Natural mineral deposits

Table 4

United Water, NJ Haworth Treatment Plant Water Quality Report

PRIMARY CONTAMINANTS

Regulated Contaminant	Units	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Level	Range Detected	Source of Contamination
Turbidity	NTU	Yes	NA	TT (1 NTU)	0.16	0.04 - .016	Soil Runoff.
		Yes	NA	TT (% of samples <0.3 NTU) Minimum 95% Required	99.9%	NA	
Total Organic Carbon	%	Yes	NA	Removal Ratio	1.1.	.93 – 1.3	Naturally present in the environment.

INORGANIC CONTAMINANTS

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Result	Range Detected	Source of Contamination/ and Comments
Antimony	PPB	Yes	6	6	.65	ND - .65	Discharge from petroleum refineries, fire retardants, ceramics, electronics and solder.
Arsenic	PPB	Yes	0	5	2.6	ND – 2.6	Erosion of natural deposits, runoff from orchards; runoff from glass and electronics production waste.
Barium	PPM	Yes	2	2	0.31	0.13 – 0.31	Erosion of natural deposits, discharge of drilling waste and discharge from metal refineries.
Beryllium	PPM	Yes	4	4	2.3	2.2 – 2.3	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Bromate	PPM	Yes	0	10	2.2 RAA	1.5 - 3.7	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Cadmium	PPM	Yes	5	5	.9	.88 - .9	Erosion of natural deposits; discharge of drilling waste; discharge from refineries
Chromium	PPB	Yes	100	100	23	13 - 23	Erosion of natural deposits, discharge steel and pulp mills.
Fluoride	PPM	Yes	4	4	ND	NA	Erosion of natural deposits, water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Nickel	PPB	NA	NA	NA	10	6.2 - 10	Erosion of natural deposits
Nitrate	PPM	Yes	10	10	.21	NA	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.
Nitrite	PPM	Yes	1	1	.01	ND – .01	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.
Selenium	PPM	Yes	50	50	11	8.6 – 11	Runoff from fertilizer use; leaching from septic tanks; sewage and erosion of natural deposits.

ORGANIC CONTAMINANTS

Regulated Contaminant	UNIT	COMPLIANCE ACCHIEVED	MCLG	MCL	Highest Result	Range Detected	Source of Contamination/ and Comments
Toluene	PPB	Yes	1000	1000	1.4	ND – 1.4	Discharge from petroleum factories

Table 4 - Continued
United Water, NJ Haworth Treatment Plant Water Quality Report

SECONDARY CONTAMINANTS:

Detected Secondary Analytes	UNIT	RUL Achieved	RUL	Results	Likely Source of Contamination/ And Comments
Alkalinity	PPM	NA	NA	68 - 188	
Aluminum	PPB	NO	200	ND – 229	United Water was above the RUL for Aluminum
Chloride	PPM	YES	250	62 – 190	Natural mineral and road salt.
Color	CU	YES	10	ND – 5	
Corrosivity		YES	Non-Corrosive	Non-Corrosive	
Hardness (as CaCo3)	PPM	NO	250	94 – 286	United Water was above the RUL for Hardness, Source: Natural mineral deposits
Hardness (as CaCo3)	Grains /Gal	NO	14.6	5 - 17	United Water was above the RUL for Hardness, Source: Natural mineral deposits
Iron	PPB	YES	300	ND – 56	Natural mineral deposits.
Manganese	PPB	YES	50	ND – 13	Natural mineral deposits.
Odor	TON	YES	3	ND – 1C	
pH	SU	YES	6.5 to 8.5	7.1 – 8.4	
Sodium	PPM	NO	50	36 - 97	Natural mineral deposits and road salt
Sulfate	PPM	YES	250	9	
TDS	PPM	YES	500	152	
Zinc	PPB	YES	5000	615	Natural mineral deposits

United Water was above New Jersey’s Recommended Upper Limit (RUL) of 50 PPM for Sodium in 1983. Possible sources of sodium include natural runoff, roadway salt runoff, upstream wastewater treatment plants and a contribution from chemicals used in the water treatment process. 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. If you have concerns please contact your health care provider.

SOURCE WATER ASSESSMENT

The NJDEP has prepared Source Water Assessment reports and summaries for all public water systems. The Source Water Assessment and related questions for the PVWC system (PWSID 1605002), NJDWSC (PWSID 1613001) and United Water NJ (PWSID 0238001) can be obtained by lodging 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. If a system is rate highly susceptible for a contamination category, it does not mean a customer is – or will be – consuming contaminated 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. The source water assessments performed on the intakes for each system lists the following susceptibility ratings for a variety of contaminants that may be present in the source water.

Table 5

Intake Susceptibility Ratings

Intakes	Pathogens	Nutrients	Pesticides	Volatile Organic Compounds	Inorganic Contaminants	Radio-nuclides	Radon	Disinfection Byproduct Precursors
PVWC – 4 Surface Water	4 - High	4 - High	1 – Medium 3 - Low	4 - Medium	4 - High	4 - Low	4 - Low	4 - High
NJDWSC – 5 Surface Water	5 - High	5 - High	2 – Medium 3 - Low	5 - Medium	5 - High	5 - Low	5 - Low	5 - High
United Water – 5 Surface Water	6 - High	2 - High 4 - Medium	1 – Medium 5 – Low	2 – High 3 – Medium 1 - Low	5 - High 1 - Medium	6 - Low	6 - Low	6 - High

Source Water Pathogen Monitoring – PVWC Source waters 2008 Data

Contaminant	<i>Pompton River</i>	<i>Passaic River</i>	<i>Typical Source</i>
Cryptosporidium, Oocysts/L	0 – 0.4	0 - 0.2	Microbial Pathogens found in surface water throughout the United States.
Giardia, Cysts/L	0 - 0.9	0 – 0.6	Microbial Pathogens found in surface water throughout the United States.
E.coli per 100 ml	16.1 – greater than 2419.6	25.6 – greater than 1553.1	Human and animal fecal waste.

Unregulated Contaminant Monitoring –

Contaminant	<i>PVWC Plant Effluent Range of Results</i>	<i>United Water Plant Effluent Range of Results</i>	Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted
1,4 Dioxane, ppb	ND – 0.135	NA	
Chlorate, ppb	320 - 430	NA	
Chromium, Total, ppb	ND - .024	NA	
Chromium, Hexavalent, ppb	.047 - .012	NA	
Strontium, ppb	140 – 150	NA	
Testosterone, ppb	ND - .00097	NA	
Vanadium, ppb	ND - .031	NA	
NDMA, ppb	ND	.001 – 0.016	

General Notes

Cryptosporidium is a microbial pathogen found in surface water throughout the US. Although filtration removes Cryptosporidium, the most commonly used filtration methods cannot guarantee 100 percent removal. PVWC monitoring indicates the presence of these organisms in our source water. Current test methods do not allow us to determine if the organisms are dead 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 may be spread through means other than drinking water.

Source Water Table 3 presents PVWC data collected in 2013 as part of a study to determine the general occurrence of PFOA, PFOS, Perchlorate, Chlorate, and Chromium-6. Currently there is no drinking water standard for these compounds. PVWC continues to participate in and support these types of regulatory and research efforts to maintain a position of leadership in cutting edge water treatment technology.

Sodium – PVWC was above New Jersey’s Recommended Upper Limit (RUL) for Sodium. 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.

Lead & Copper - In 2012 the Elmwood Park Water Department collected over 30 samples from residences throughout the distribution system for lead and copper. The number reported is the 90th percentile or more correctly the highest sample reported for the 27th sample. All lead and copper samples collected were less than the action levels established by the NJDEP and USEPA.

Please note the following;

If present. It is possible that lead levels at your home may be higher than at other homes in the community as a result of material used in your homes plumbing. If you are concerned about elevated lead levels in your homes water, you may wish to have your water tested. Flushing your tap for 30 seconds to 2 minutes before using tap water can reduce the levels of lead. Additional information is available from the Safe Drinking Water Hot Line (800-426-4791).

The Borough of Elmwood Park is pleased to provide you this information along with the results compiled by the PVWC. Please note that Elmwood Park receives a blend of water from the PVWC and NJDWAC.

This booklet contains important information about the water in your community. Translate or speak to someone who understands it well.

El informe contiene informacion importante sobre calidad del agua en su comunidad. Traduzcalo o hable con alguien que lo entienda bien.

La relazione contiene importanti informazioni su la del qualita del acqua de Ia Comunita. Tradurlo o parlatene con un amico che lo comprenda.

Definitions

In the following table, 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:

<u>Term</u>	<u>Description</u>
AL	<u>Action Level</u> : The concentration of contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
CU	<u>Color Unit</u>
CDC	<u>Center for Disease Control</u>
Disinfection By-product Precursors	A common source naturally occurring organic matter in surface water. Disinfection by-products are formed when the disinfectants (usually chlorine) used to kill pathogens react with dissolved organic material (DPB precursors) present in surface water
Inorganic Contaminants	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. These contaminants may be present in source water.
LRAA	<u>Locational Annual Running Average</u>
MCL	<u>Maximum Contaminant Level</u> is the highest level of contaminant that is allowed in the drinking water. MCLs are set as close to the MCLGs as is feasible using the best available treatment technology.
MCLG	<u>Maximum Contaminant Level Goal</u> is the level of a contaminant in drinking water below which there is no known expected risk to health MCLGs allow a margin of safety.
MF/L	<u>Million fibers per liter</u>
MRDL	<u>Maximum Residual Disinfectant Level</u> is the highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MRDLG	<u>Maximum Residual Disinfectant Level Goal</u> the level of disinfectant allowed in drinking water below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.
NA	Not Applicable
ND	<u>Not Detected</u> is a term used when a laboratory analysis demonstrates that the constituent is not present.
NTU	<u>Nephelometric Turbidity Unit</u> is the measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
Nutrients	Compounds, minerals and elements that aid growth that are both naturally occurring and manmade. Examples include nitrogen and phosphorus.
Organic Contaminants/ Volatile Organic Compounds	Compounds, including synthetic and volatile organic chemicals which are by-products of industrial processes and petroleum production, and can also come from gas stations, stormwater runoff and septic systems. Manmade chemicals used as solvents, degreasers, and gasoline components. Examples include benzene, methyl tertiary butyl ether (MTBE) and vinyl chloride. These compounds may be present in surface water.
Pesticides, Herbicides, Insecticides, Fungicides and Rodenticides	Manmade chemicals used to control pests, weeds and fungus which may come from a variety of sources such as agriculture, stormwater runoff and residential uses and may be present in source water. Common sources include land application and manufacturing centers of pesticides. Examples include herbicides such as atrazine and insecticides such as chlordane.
pC/L	<u>Picocuries per liter</u> is a measure of radioactivity in water.
PPB	<u>Parts per billion</u> or micrograms per liter equals one part per billion and corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
POE	<u>Point of Entry</u> to the water distribution system
PPM	<u>Parts per Million</u> or milligrams per liter (mg/l) equals one part per million and corresponds to one minute in to years or a single penny in \$10,000.
RAA	<u>Running Annual Average</u>
RUL	<u>Recommended Upper Limit</u> : the highest level of a constituent of drinking water that is recommended in order to protect aesthetic quality.
TON	<u>Threshold Odor Number</u>
TT	<u>Treatment Technique</u> is a required process intended to reduce the level of contaminant in drinking water.