



ANNUAL DRINKING WATER QUALITY REPORT FOR 2013

PORT WASHINGTON WATER DISTRICT

38 SANDY HOLLOW ROAD, PORT WASHINGTON, NY 11050
(PUBLIC WATER SUPPLY ID # 2912267)

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INTRODUCTION

To comply with State regulations, Port Washington Water District will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year, your tap water met all State drinking water health standards. We are proud to report that our system did not violate a maximum contaminant level or any other water quality standard.

If you have any questions about this report or concerning your drinking water, please contact the EPA Safe Drinking Water Hotline (1-800-426-4791), the Nassau County Department of Health at (516) 227-9692, or Italo Vacchio, Superintendent of the Port Washington Water District at (516) 767-0171. We want you to be informed about your drinking water. If you want to learn more, please visit the EPA's website at <http://www.epa.gov/safewater>, the Department of Health's website at <http://www.health.state.ny.us>, or attend any of our regularly scheduled board meetings on Wednesdays at 8:00 a.m., except the second week of each month when the board meets on Tuesday at 7:30 p.m. All meetings are at the District Office unless otherwise announced.

WHERE DOES OUR WATER COME FROM?

In general, 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 activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The water source for the Port Washington Water District is groundwater pumped from 12 wells (ranging from 90' to 600' in depth) located at eight stations throughout the District. These wells are drilled into the Glacial, Port Washington, Magothy and Lloyd aquifers beneath Long Island. The District also includes over 120 miles of water mains varying in size from 4" to 24" in diameter, approximately 1,200 fire hydrants, and 24.25 million gallons in storage capacity, that includes 1.25 million gallons in two elevated storage tanks and 23 million gallons in two concrete underground storage reservoirs. The District is 100% metered and has an active cross connection control program in compliance with the State sanitary code.

During 2013, as in previous years, we had the following restrictions on our system as mandated by the New York State Department of Environmental Conservation. The total annual pumpage at the Stonytown Well No. 10 was restricted to 175 million gallons per year. The Sandy Hollow Wells No. 1 and No. 2 were restricted to a total pumpage of 30 million gallons per month. The Bar Beach Well No. 6 was restricted to maximum chloride content at the well discharge of 75 mg/L.

The Nassau County Department of Health has completed a Source Water Assessment Program for the Port Washington Water District. Possible and actual threats to this drinking water source were evaluated. The source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how rapidly contaminants can move through the subsurface to the wells. The susceptibility of a water supply well to contamination is dependent upon both the presence of potential sources of contamination within the well's contributing area and the likelihood that the contaminant can travel through the environment to reach the well. The susceptibility rating is an estimate of the potential for contamination of the source water; it does not mean that the water delivered to consumers is, or will, become contaminated. See the section "ARE THERE CONTAMINANTS IN OUR DRINKING WATER?" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

Drinking water is derived from 12 wells. The Source Water Assessment has rated all but one of the wells as having a very high susceptibility to industrial solvents and all wells as having a high to very high susceptibility to nitrates. One well is rated as having a medium high susceptibility to microbial contamination. The elevated susceptibility to industrial solvents is due primarily to point sources of contamination related to transportation routes and commercial/industrial facilities and related activities in the assessment area. The elevated susceptibility to nitrates is due to unsewered residential land use and related practices, such as fertilizing lawns, as well as the commercial/industrial activities in the assessment area.

A copy of the assessment, including a map of the assessment area, can be obtained by contacting the Nassau County Department of Health.

HOW IS OUR DRINKING WATER TREATED?

Sodium hypochlorite is routinely added to the ground level reservoirs to maintain chlorine residual. Disinfection is required by the Nassau County Department of Health. The District disinfects its water supply with tablet chlorine at each pumping station. Sodium hydroxide is routinely added at all well stations to maintain optimum pH levels and reduce corrosivity. Granulated activated carbon (GAC) adsorption facilities are used for organic chemical removal at five wells. Volatile organic chemicals are removed at four wells using packed tower aeration (stripping towers).

FACTS AND FIGURES

Our water system serves approximately 50,000 residents through 9,283 service connections. The total water produced in 2013 was 1,386,148,000 gallons. The daily average of water treated and pumped into the distribution system is 3,797,666 gallons. Pumpage on our highest single day, July 21, 2013, was 7,360,000 gallons. The amount of water delivered to customers was 1,305,072,000 gallons. This leaves an unaccounted-for total of 81,076,000 gallons (5.8% of the total amount produced). This water was used to flush mains, fight fires, fill road sweepers and tanker trucks, and during water main breaks, leakage in mains and water services, and unauthorized use of hydrants. In general terms, during 2013, Port Washington Water District customers were charged \$1.60 per 1,000 gallons of water and had an annual average residential water use of 140,587 gallons.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, Escherichia coliform, turbidity, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, trihalomethanes, haloacetic acids, radiological and synthetic organic

compounds. The State allows us to test for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

A supplement to this report showing laboratory analyses of all samples taken from each water supply well in service (raw and treated) and from the distribution system is available for viewing in the District office and in the Port Washington Public Library. Contact Italo Vacchio, Superintendent of the Port Washington Water District at (516) 767-0171, located at 38 Sandy Hollow Road, Port Washington, NY 11050.

Contamination of the groundwater from Port Washington Water District has been detected in samples from some wells. All groundwater pumped to the distribution system from the operating District wells complies with New York State Department of Health Standards for public drinking water supplies. It should be noted that all drinking water, including bottled drinking 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) or the Nassau County Department of Health at (516) 227-9692.

Table 1 on pages 5 and 6 shows the results of our monitoring for the period of January 1 – December 31, 2013. Table 1 depicts which compounds were detected in your drinking water. Not included in the table are the more than 120 other contaminants which were tested for and not detected in the wells and distribution system. These undetected contaminants are listed herein:

Organics (also including Synthetic Organics and Other Principal Organics) - 1,1,1,2-tetrachloroethane, 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichloroethene, 1,1-dichloropropene, 1,2,3-trichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trichlorobenzene, 1,2,4-trimethylbenzene, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-dichlorobenzene, 1,3-dichloropropane, 1,4-dichlorobenzene, 2,2-dichloropropane, 2/4-chlorotoluene, 4-isopropyltoluene, benzene, bromobenzene, bromochloromethane, bromomethane, carbon tetrachloride, chlorobenzene, chloroethane, chloromethane, cis-1,3-dichloropropene, dibromomethane, dichlorodifluoromethane, ethylbenzene, hexachlorobutadiene, isopropylbenzene, m,p-xylene,

methyl tert-butyl ether, methylene chloride, n-butylbenzene, n-propylbenzene, o-xylene, sec-butylbenzene, styrene, tert-butylbenzene, tetrachloroethene, toluene, trans-1,2-dichloroethene, trans-1,3-dichloropropene, trichlorofluoromethane, vinyl chloride, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, alachlor, aldrin, chlordane, endrin, heptachlor, hexachlorobenzene, hexachlorocyclopentadiene, lindane, methoxychlor, total PCBs, toxaphene, 2,4,5-TP (Silvex), 2,4-D, dalapon, dicamba, dinoseb, pentachlorophenol, picloram, 3-hydroxy carbofuran, aldicarb, aldicarb sulfone, aldicarb sulfoxide, carbaryl, carbofuran, methomyl, oxamyl, glyphosate, diquat, atrazine, benzo(a)pyrene, bis(2-ethylhexyl)adipate, bis(2-ethylhexyl)phthalate, butachlor, metolachlor, metribuzin, propachlor, simazine, endothall, dioxin, 1,3-butadiene, perfluorobutanesulfonic acid, perfluoroheptanoic acid, perfluorohexanesulfonic acid, perfluorononanoic acid, perfluorooctanesulfonic acid, perfluorooctanoic acid, 17 alpha-ethynylestradiol, 17-beta-Estradiol, 4-androstene-3, 17-dione, Equilin, Estriol, Estrone, and Testosterone.

Microbiological - Escherichia Coliform (E-Coli) and Turbidity.

Inorganics and Physical Characteristics – antimony, arsenic, beryllium, cadmium, cobalt, mercury, molybdenum, silver, thallium, zinc, free cyanide, color, MBAS, nitrogen-ammonia (as N), nitrite (as N), and odor.

Disinfection By-Products [Total Trihalomethanes (TTHM) and Haloacetic Acids (HAA5)] – chloroform, bromoacetic acid, chloroacetic acid, dichloroacetic acid, total haloacetic acid, and trichloroacetic acid.

The highest level of a contaminant that is allowed in drinking water is known as the Maximum Contaminant Level (MCL). The level of a contaminant below which there is no known or expected risk to health is known as the Maximum Contaminant Level Goal (MCLG). MCLGs allow for a margin of safety.

The highest level of a disinfectant allowed in drinking water is known as the Maximum Residual Disinfectant Level (MRDL). There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants. The level of a drinking water disinfectant below which there is no known or expected risk to health is known as the Maximum Residual Disinfectant Level Goal (MRDLG). MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water

system must follow is known as the Action Level (AL). The most recent radiological sampling took place in 2013. Raw water samples were collected from District wells and analyzed for gross alpha activity, radium 226, and radium 228, measured in picocuries per Liter (pCi/L). The maximum contaminant level for gross alpha activity in water is 15 pCi/L. The 2013 average of the gross alpha samples is 1.085 pCi/L. The maximum contaminant level for combined radium 226 and 228 in water is 5 pCi/L. The 2013 average of the combined radium 226 and 228 samples is 0.722 pCi/L. In accordance with State regulations, the Port Washington Water District will discontinue distribution monitoring for radiological contaminants.

The most recent lead and copper sampling took place in 2012. Samples were collected from the distribution system at thirty-two sites and analyzed for lead and copper. Lead is measured in micrograms per Liter (µg/L). The Action Level (AL) for lead is 15 µg/L. The AL for lead was not exceeded at any of the sites tested. Copper is measured in milligrams per Liter (mg/L). The AL for copper is 1.3 mg/L, and the MCLG for copper is 1.3 mg/L. The AL for copper was not exceeded at any of the sites tested.

The levels of lead and copper presented in Table 1 indicate the 90th percentile of those contaminants at the 32 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead and copper values detected at your water system. Thirty-two samples were collected from your water system and the 90th percentile values for lead and copper were the twenty-ninth highest values for those contaminants. The 90th percentile for lead as shown in Table 1 is 1.51 µg/L and the 90th percentile for copper as shown in Table 1 is 0.13 mg/L.

WHAT DOES THIS INFORMATION MEAN?

As you can see by Table 1, our system had no violations. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below New York State requirements.

Although nitrate was detected below the MCL, the highest level detected was 6.37 mg/L, which is greater than one-half of the MCL. Therefore, we are required to present the following information on nitrate in drinking water:

Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

We also are required to present the following information on lead in drinking water:

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. The Port Washington Water District 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.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water met or exceeded state and federal regulations, some people may be more vulnerable to disease-causing microorganisms or pathogens 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 from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium*, *Giardia*, and other microbial pathogens are available from the Safe Drinking Water Hotline (1-800-426-4791).

INFORMATION ON UNREGULATED CONTAMINANTS

Unregulated contaminants are those for which the EPA has not established drinking water standards. In 2013, the Port Washington Water District monitored for additional contaminants under the EPA's Unregulated Contaminant Monitoring Regulation (UCMR3). The information collected under the UCMR will help the EPA determine future drinking water regulations. The results of the monitoring program are included in Table 1.

INFORMATION FOR NON-ENGLISH SPEAKING RESIDENTS

Spanish

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Water is a vital resource. The Port Washington Water District encourages water conservation. The District, after holding a public hearing, adopted a Water Conservation Plan in 1996. This was updated and revised in August 2003. This plan contains regulations concerning plumbing fixtures and use of water for irrigation, swimming pools, air conditioning, car washing, etc., and is designed to reduce unnecessary water use. Although our system has an adequate amount of water to meet present and future demands, it still is important to conserve water. You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can.

SYSTEM IMPROVEMENTS

In 2013, the Port Washington Water District made some improvements to our water system. A nitrate treatment facility was installed at Well No. 4 to lower nitrate levels. A packed tower aeration treatment system was installed at Well No. 6 to treat the water for organic chemicals. In the Manhasset Isle area, new service lines, 8-inch water mains, and fire hydrants were installed. Several system improvements are planned for 2014. Well No. 11 will be rehabilitated to improve production. Numerous 4-inch water main replacements will be done to improve water transmission. A new ground storage tank and booster station will be installed in the Harbor Park area.

CLOSING

Thank you for allowing us to continue to provide your family with clean, quality drinking water again this year. The Port Washington Water District works hard to provide top quality water to every customer. We ask that all our customers help us protect our water resources. Please visit the Port Washington Water District on the Web at www.pwwd.org to download Water District Regulations, access the full Annual Water Quality Report, and check on recent District legislation, planned events, and projects.

Table 1

Contaminant	Violation (Yes/No)	Date of Sample(s)	Level Detected Avg/Max (Range) ⁽¹⁾	Unit Measurement	MCLG Or MRDLG	Regulatory Limit (MCL, MRDL, or AL)	Likely Source of Contamination
Microbiological Contaminant							
Total Coliform Bacteria	No	08/12/13 12/02/13	2 Positive Samples in 2 Different Months	n/a	0	MCL = 2 or more positive samples in one month	Naturally present in the environment
Inorganic Contaminants							
Barium	No	04/01/13	0.0573 (0.0315 - 0.0573)	mg/L	2	MCL - 2	Discharge from metal refineries; Erosion of natural deposits
Calcium	No	04/01/13	33.6 (16.2 - 33.6)	mg/L	n/a	n/a	Naturally occurring
Chloride	No	04/01/13	68.2 (40.8 - 68.2)	mg/L	n/a	MCL - 250	Naturally occurring or indicative of road salt contamination
Fluoride	No	04/01/13	0.13 (ND - 0.13)	mg/L	n/a	MCL - 2.2	Discharge from fertilizer and aluminum factories; Erosion of natural deposits
Iron	No	06/18/13	50 (ND - 50)	µg/L	n/a	MCL - 300	Naturally occurring
Magnesium	No	04/01/13	14.4 (8.66 - 14.4)	mg/L	n/a	n/a	Naturally occurring
Manganese	No	04/01/13	220 (ND - 220)	µg/L	n/a	MCL - 300	Naturally occurring
Nickel	No	04/01/13	0.0011 (ND - 0.0011)	mg/L	n/a	n/a	Naturally occurring
Selenium	No	04/01/13	2.23 (ND - 2.23)	µg/L	50	50	Discharge from petroleum and metal refineries; Erosion of natural deposits
Sodium	No	04/01/13	32.9 (19.7 - 32.9)	mg/L	n/a	20 / 270 ⁽⁴⁾	Naturally occurring; Road salt; Water softeners; Animal waste
Sulfate	No	04/01/13	86.2 (24 - 86.2)	mg/L	n/a	MCL - 250	Naturally occurring
Inorganic Contaminant - Nitrate							
Nitrate as N	No	12/02/13	6.37 (2.74 - 6.37)	mg/L	10	MCL - 10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Physical Characteristics							
Calcium Hardness	No	04/01/13	83.8 (40.5 - 83.8)	mg/L	n/a	n/a	Naturally occurring
Langelier Saturation Index	No	04/01/13	-1.24 [-2.97 - (-1.24)]	units	n/a	n/a	Naturally occurring
pH	No	04/01/13	7.5 (5.6 - 7.5)	units	n/a	n/a	Naturally occurring
Total Alkalinity	No	07/01/13	41.4 (23 - 41.4)	mg/L	n/a	n/a	Naturally occurring
Total Dissolved Solids	No	04/01/13	252 (158 - 252)	mg/L	n/a	n/a	Naturally occurring
Total Hardness	No	04/01/13	130 (77.1 - 130)	mg/L	n/a	n/a	Naturally occurring
Disinfectant							
Chlorine Residual	No	09/23/13	0.71 (0.2 - 1.6)	mg/L	n/a	MRDL - 4 ⁽⁵⁾	Water additive used to control microbes
Organic Contaminant							
Cis-1,2- Dichloroethene	No	09/09/13	0.36 (ND - 0.6)	µg/L	n/a	MCL - 5	Discharge from industrial chemical factories
Other Principal Organic Contaminants							
1,1 - Dichloroethane	No	12/02/13	1.84 (ND - 2.1)	µg/L	n/a	MCL - 5	Released into the environment as fugitive emissions; Degreasing agent
Dieldrin	No	07/15/13	0.052 (ND - 0.052)	µg/L	n/a	MCL - 5	By-product of banned pesticide Aldrin formerly used in soil and seed treatment
Synthetic Organic Contaminant							
Heptachlor Epoxide	No	07/15/13	36 (27 - 41)	ng/L	n/a	MCL - 200	Breakdown of Heptachlor, the residue of a banned pesticide
Radioactive Contaminants							
Gross Alpha Activity ⁽⁶⁾	No	09/16/13	1.731	pCi/L	0	MCL - 15	Erosion of natural deposits
Combined Radium (Ra226+Ra228) ⁽⁷⁾	No	04/29/13	< 1.0	pCi/L	0	MCL - 5	Erosion of natural deposits
Unregulated Contaminant Monitoring Regulation Contaminants ⁽⁸⁾							
Chlorate	No	08/19/13	180 (ND - 180)	µg/L	n/a	n/a	By-product of drinking water disinfection needed to kill harmful organisms (unregulated contaminant)
Chromium	No	08/19/13	3.6 (ND - 3.6)	µg/L	100	MCL = 100	Discharge from steel and pulp mills; Erosion of natural deposits
Chromium Hexavalent	No	08/19/13	3.6 (ND - 3.6)	µg/L	100	MCL = 100	Discharge from steel and pulp mills; Erosion of natural deposits
1,4 - Dioxane	No	08/19/13	1.7 (ND - 1.7)	µg/L	n/a	MCL - 50	Released into the environment through its use as a solvent and in textile processing, printing processes, and detergent preparations
Strontium	No	08/20/13	190 (33 - 190)	µg/L	n/a	n/a	Naturally occurring
Vanadium	No	08/19/13	0.54 (ND - 0.54)	mg/L	n/a	n/a	Naturally occurring

Table 1 (continued)

Contaminant	Violation (Yes/No)	Date of Sample	90th Percentile and Range	Unit Measurement	MCLG	Regulatory Limit (AL)	Likely Source of Contamination
Lead and Copper Contaminants							
Copper	No	06/20/12	0.13 (ND - 0.19) ⁽²⁾	mg/L	1.3	AL - 1.3	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	No	06/22/12	1.51 (ND - 2.77) ⁽³⁾	µg/L	0	AL - 15	Corrosion of household plumbing systems; Erosion of natural deposits
Contaminant	Violation (Yes/No)	Date of Sample	Level Detected (Maximum)	Unit Measurement	MCLG	Regulatory Limit (MCL)	Likely Source of Contamination
Disinfection By-Products, Stage 1							
Total Trihalomethanes	No	09/11/13	3.2	µg/L	n/a	MCL - 80	By-product of drinking water chlorination needed to kill harmful organisms
Total Haloacetic Acids	No	09/11/13	< 2.0	µg/L	n/a	MCL - 60	By-product of drinking water disinfection needed to kill harmful organisms

Notes:

- (1) When compliance with the MCL is determined more frequently than annually, the data reported is the highest average or maximum of any of the sampling points used to determine compliance and the range of detected values.
- (2) The level presented represents the 90th percentile of the 32 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. In this case, thirty-two samples were collected at your water system and the 90th percentile value was the twenty-ninth highest value (0.13 mg/L). The action level for copper was not exceeded at any of the sites tested.
- (3) The level presented represents the 90th percentile of the 32 sites tested. The action level for lead was not exceeded at any of the sites tested.
- (4) Water containing more than 20 mg/L of sodium should not be used for drinking by people on severely-restricted sodium diets. Water containing more than 270 mg/L of sodium should not be used for drinking by people on moderately-restricted sodium diets.
- (5) The value presented represents the Maximum Residual Disinfectant Level (MRDL). MRDLs are not currently regulated, but in the future they will be enforceable in the same manner as MCLs.
- (6) The contaminant level represents the average of gross alpha activities in raw water samples taken from multiple wells and the range of values for the samples.
- (7) The contaminant level represents the average of combined Radium 226 and 228 in raw water samples taken from multiple wells and the range of values for the combined samples.
- (8) The Unregulated Contaminant Monitoring Rule (UCMR3) is a US EPA water quality sampling program which monitors unregulated but emerging contaminants in drinking water. The results of the sampling will determine if such contaminants will need to be regulated in the future.

Definitions:

MCL: Maximum Contaminant Level; The level of a contaminant in drinking water. MCLs are set as close to the MCLG as feasible.
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.
MRDL: Maximum Residual Disinfectant Level; 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.
MRDLG: Maximum Residual Disinfectant Level Goal; 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.
AL: Action Level; The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
ND: Non-Detects; Laboratory analysis indicates that the constituent is not present.
mg/L: Milligrams per Liter; Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).
µg/L: Micrograms per Liter; Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).
ng/L: Nanograms per Liter; Corresponds to one part of liquid in one trillion parts of liquid (parts per trillion - ppt).
pCi/L: Picocuries per Liter; A measure of the radioactivity in water.
n/a: not applicable; i.e., no value is assigned by regulatory authorities.