

Marine Corps Base Quantico Camp Barrett Water System [TBS/DOJ/WTBN/RKB] (PWSID 6153060)



2020 Annual Drinking Water

Consumer Confidence Report















Message from the Public Works Officer

Dear Camp Barret Water System Water Consumer,

The Public Works Branch (PWB) of the Marine Corps Base Quantico G-F, Installation and Environment Division, is pleased to present the Base's Camp Barret Water System Annual Water Quality Report. This report is designed to inform you of our and Stafford County's water quality monitoring results summary for the period January 1 through December 31, 2020.

Camp Barrett water system (PWSID No. 6153060) receives water from Stafford County processed at two water treatment plants in Stafford County, Va. (PWSID No. 6179100) and delivers water through its distribution system. This Camp Barret water system service area includes The Basic School (TBS), the Department of Justice (DOJ) complex, the Weapons Training Battalion (WTBN), and Russel Knox Building (RKB) Complex.

Our goal is to provide you with a safe and dependable supply of drinking water and we are committed to ensuring the quality of your water. To help us meet this goal, we have established a Water System Working Group (WSWG) Team with personnel from water treatment plant, Utility Shop, Facility Maintenance Section, Engineering Section, Utility Section and Natural Resource & Environmental Affairs Branch to proactively address water quality concerns and issues.

The followings are some of our recent efforts and changes implemented to improve our water quality:

- Our Utilities Shop has successfully conducted a comprehensive/system-wide flushing in April 2021 covering the whole Camp Barret Water Distribution System as a coordinated effort with Stafford County's biennial system-wide Chlorine Burn Flushing event.
- PWB Utilities Section Team have completed the Camp Barret Pump Station upgrade project and it has been successfully

- operational since May 2021. This project has increased our system reliability and resiliency of water supply to all Westside facilities.
- 3) We also enhanced our program that tracks compliance water quality monitoring, directly resulting in successfully completion of all samples on time and in compliance during 2020.

During 2020, our multifaceted **Team is proud to announce that** we have not had a single drinking water quality violation (i.e., fully in compliance with all water quality parameters). Our team will continue to strive to provide safe drinking water of the highest quality to our families and the Quantico community.

CDR Benjamin Hofman P.E.
Public Works Officer, Marine Corps Base Quantico

We Want To Hear From You

In order to meet increasingly stringent water quality requirements, we are constantly planning and funding projects to address many water-related issues including distribution system operation and maintenance improvement, and timely upgrade and replacement of water system infrastructure (pipes, pump stations and tanks). We value your inputs on our water quality and water system related

issues. You can call us at 703-432-2466 (PWB Water Commodities Manager) for any water related questions and inputs.

To stay informed on important water related public notifications, please visit us on line at https://www.quantico.marines.mil/water-quality/.



MCB Quantico Camp Barret Water System (TBS/DOJ/WTB/RKB)

2020 Consumer Confidence Report

Regarding This Report

Both Stafford County and MCB Quantico Utilities routinely monitor for contaminants in your drinking water according to Federal and State laws. This report contains summarized information on all regulated contaminants found in your drinking water based on water quality tests performed for a variety of contaminants. An explanation of the results is included in a data table at the end of this report.

Maximum Contaminant Levels (MCL's) are set at very stringent levels by the USEPA. In developing the standards USEPA assumes that the average adult drinks 2 liters of water each day throughout a 70-year life span. USEPA generally sets MCL's at levels that will result in no adverse health effects for some contaminants or a one-in-ten-thousand to one-in-a-million chance of having the described health effect for other contaminants.

Source Water

Camp Barrett water system receives water from Stafford County processed at two water treatment plants in Stafford County. Smith Lake and Lake Mooney reservoirs are the sources of public water in Stafford County. Most of Camp Barret water is processed and delivered from Smith Lake Water Treatment Plant that utilizes Smith Lake as its source water.

In 2002, the Virginia Department of Health (VDH) conducted an assessment of Stafford County's water reservoir at Smith Lake to determine how susceptible it is to



contamination (an assessment of Lake Mooney and the Rappahannock River was completed in early 2019). It was determined that the source water was highly susceptible to contaminants because there are industrial, commercial, agricultural and residential land uses in its watersheds.

We ask for your help to properly dispose of trash, waste oil, antifreeze, and other hazardous materials and minimize application

of fertilizer and pesticides so that they do not enter streams, storm drains, and other water bodies. You can report illegal dumping around or in Smith Lake to the Stafford County Sheriff's Office at 540-658-4400.



<u>Potential Sources of Water Contaminants</u>

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 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 result from urban storm water 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 storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts 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, USEPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water. Drinking water, including bottled water, may reasonably be expected to contain at least a small amount of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about drinking water contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking water Hotline at 1-800-426-4791 or visiting their website at https://www.epa.gov/ground-water-and-drinking-water.

Should Some People Take Special Precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune system compromised persons such as persons with cancer undergoing chemotherapy, people who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be partially at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the USEPA Safe Drinking Water Hotline at 1-800-426-4791.

We strongly recommend that our customers not use water from the hot water tap for consumption. Any contaminants found in the water may accumulate in the hot water tank. This would be true anywhere, regardless of the water source. This does not mean that there is anything wrong with our drinking water. All water tests are conducted on water from the cold -water tap. Our concern is that the water quality is unknown when water from the hot-water tap is consumed. We believe you are better served by heating cold-water for this purpose.

MCB Quantico Camp Barret Water System (TBS/DOJ/WTB/RKB)

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Microbial Analysis

Coliforms are bacteria that are present naturally in the environment and are used as an indicator that other, potentially harmful bacteria, may be present. When Coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If the limit is exceeded, the water supplier must notify the public by bulletin boards, emails, social media, newspaper, radio, or television. We are proud to announce that we did not have any samples test present for coliform during the 2020 calendar year.

Disinfection Byproducts

MCB Quantico Camp Barret Water System collects disinfection byproducts samples (including Total Trihalomethanes and Haloacetic Acids samples) every quarter from 2 different locations selected from the Initial Distribution System Evaluation (IDSE).

During 2020, Camp Barret water system was in compliance with TTHM and HAA5 MCLs: none of annual running averages from required disinfection byproducts samples exceeded Total Trihalomethanes (TTHM) MCL (80 ppb) and Halo acetic Acids (HAA5) MCL (60 ppb).

Lead and Copper

During 2019, we completed all required testing for lead and copper and 90 percentiles of the lead and copper test results were less than their action levels (15 ppb for lead and 1.3 ppm for copper). One site (a sample from Building 24144) out of 20 required sampling sites exceeded lead action level of 15 ppb (showing 31 ppb of lead).

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. Marine Corps Base Quantico 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 15 to 30 seconds, until it becomes cold or reaches a steady temperature before using the 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 USEPA's Safe Drinking water Hotline at 1-800-426-4791 or visit https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water.

Conclusion

Our utilities sections work around the clock to provide top quality water to our families, co-workers and Quantico Community. In order to maintain a safe and dependable water supply we will continue to make improvements to our supply lines and distribution system com-



ponents that benefits all of our customers.

During our flushing events, water mains and fire hydrants are flushed comprehensively and vigorously. This may cause temporary water discoloration which can be resolved by running the tap until the water is clear. Please help us in our goal of ensuring a safe and sustainable water system by careful use of this resource, which is the heart of our community, our way of life and our children's future.



Learn About Your Drinking Water



To stay informed on important water related public notifications, please visit us on line at https://www.quantico.marines.mil/water-quality/.



More information about drinking water contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking water Hotline at 1-800-426-4791 or visiting their website at https://www.epa.gov/ground-water-and-drinking-water.



Please visit Virginia Department of Health (VDH) Office of Drinking Water (ODW) website for VDH drinking water compliance information.:



https://www.vdh.virginia.gov/drinking-water/
For any questions about our drinking water, call at

For any questions about our drinking water, call at 703-432-2466 (MCBQ GF-Public Works Branch Utilities, Water Commodities Manager).

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Beta/Photon Emitters (pCi/L) *The MCL for beta particles is 4 mrem/year. The EPA considers 50 pCi/L to be the level of concern *Total Organic Carbons (TOC) and Turbidity Total Organic Carbons * Treatment Technique: Bunning annual average of quarterly TOC removals ratio average of quarterly TOC removals ratio average of all samples taken each month must be 2.1.0** *Turbidity (NTU)*** *Total Organic Carbon has no health effects. However, it provides a medium for the formation of description of the compliance with Treatment Technique (TT) is a removal ratio of 1.0 and higher (quarterly running must be 2.0 an	0.2 to	0.2 to 1.5 ppm		Added to	Added to the drinking water to promote dental health; erosion of natural deposits; discharge from fertilizer and aluminum factories.		
*The MCL for beta particles is 4 mrem/year. The EPA considers 50 pCi/L to be the level of concern Total Organic Carbons (TOC) and Turbidity Total Organic Carbons * Treatment Technique: fluming annual werage of quarterly TOC removals ratio must be 2.10 ** Treatment Technique: fluming annual werage of quarterly TOC removals ratio of all samples taken each month must be 0.3 NTU or less; 1 NTU maximum *Total Organic Carbon has no health effects. However, it provides a medium for the formation of d illustration of the compliance with Treatment Technique (TT) is a removal ratio of 1.0 and higher (quarterly running must be 0.3 NTU or less; 2 NTU maximum *Total Organic Carbon has no health effects. However, it provides a medium for the formation of d illustration of of d i	N/A (One test)		No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits			
Total Organic Carbons (TOC) and Turbidity Total Organic Carbons * Treatment Technique: Running annual average of quarterly TOC removals ratio must be 2.10 ** Trurbidity (NTU)*** Treatment Technique: Running annual average of quarterly TOC removals ratio must be 2.10 ** Treatment Technique: Author (ETI) - at least 95% of all samples taken each month must be 0.3 NTU or less; 1 NTU maximum *Total Organic Carbon has no health effects. However, it provides a medium for the formation of de ** Compliance with Treatment Technique (TT) is a removal ratio of 1.0 and higher (quarterly running must be 2.0 MCL **Samples taken from filtered water at the treatment plan Parameter (units) - Sodium MCLG Secondary MCL Average Sodium (ppm) N/A N/A 21.2 ppm Sulfate (ppm) N/A 250 ppm 30.3 ppm Chloride (ppm) N/A N/A 0.5 ppm Non-Detects (ND) Laboratory analysis indicates that the constituer per liter (mg/L) Parts per million (ppm) & Milligrams per liter (mg/L) Parts per billion(ppb) & Micrograms per liter are the per liter (mg/L) Picocuries per liter (pCi/l) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Nephelometric Turbidity Unit (NTU) Nephelometric Turbidity Unit (NTU) At treatment technique is a required process inte Maximum Contaminant Level (MCL) The highest level of a contaminant that is allowed (MCLG) The "Goal" (MCLG) is the level of a contaminant winch).	·		No	Decay of natural and manmade deposits			
Total Organic Carbons * Treatment Technique: Running annual average of quarterly TOC removals ratio of all samples taken each month must be 0.3 MTU or less; and provides a medium for the formation of discontinuous per part of the provides a medium for the formation of discontinuous per part of 1.0 and higher (quarterly running average). The provides a medium for the formation of discontinuous per part of 1.0 and higher (quarterly running average). The provides a medium for the formation of discontinuous per quarterly running average with freatment Technique (TT) is a removal ratio of 1.0 and higher (quarterly running average). The parameter (units) - Sodium (pt) and parameter funits) - Sodium (pt) and parameter funits and p	* The MCL for beta particles is 4 mrem/year. The EPA considers 50 pCi/L to be the level of concern for beta particles						
Treatment Technique: Running annual average of quarterly TC: removal ratio must be 2.10 ** Turbidity (NTU)*** *Total Organic Carbon has no health effects. However, it provides a medium for the formation of a ** Compliance with Treatment Technique (TT) as a removal ratio of 1.0 and higher (quarterly running ** Samples taken from filtered water at the treatment plan *Total Organic Carbon has no health effects. However, it provides a medium for the formation of a ** Compliance with Treatment Technique (TT) is a removal ratio of 1.0 and higher (quarterly running ** Samples taken from filtered water at the treatment plan ** Samples taken from filtered water at the treatment plan ** Samples taken from filtered water at the treatment plan ** Sodium (ppm) N/A N/A 21.2 ppm Sulfate (ppm) N/A 250 ppm 30.3 ppm Chloride (ppm) N/A N/A 0.5 ppm Orthophosphate (ppm) N/A N/A N/A 0.5 ppm Non-Detects (ND) Laboratory analysis indicates that the constituer per liter (mg/L) Parts per million (ppm) & Milligrams per liter are the per liter (mg/L) Parts per billion(ppb) & Micrograms Parts per billion and milligrams per liter are the per liter (mg/L) Parts per billion(ppb) & Micrograms Parts per billion and Micrograms per liter are the per liter (mg/L) Picocuries per liter (pCi/I) Nephelometric Turbidity Unit (NTU) Nephelometric Turbidity Unit (NTU) Action Level (AL) Concentration of a contaminant which, if excee Treatment Techniques (TT) A treatment technique is a required process inte Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG)	Treatment Technique (TT) Parameters Average Range Violation Source						
Turbidity (NTU)*** of all samples take nech month must be 0.3 NTU or less; 1 NTU maximum **Total Organic Carbon has no health effects. However, it provides a medium for the formation of d **Compliance with Treatment Technique (TT) is a removal ratio of 1.0 and higher (quarterly runnin ***Samples taken from filtered water at the treatment plan ***Samples taken from filtered water at the treatment plan ***Parameter (units) - Sodium MCLG Secondary MCL Average Sodium (ppm) N/A N/A 21.2 ppm Sulfate (ppm) N/A 250 ppm 30.3 ppm Chloride (ppm) N/A N/A 0.5 ppm Orthophosphate (ppm) N/A N/A N/A O.5 ppm Non-Detects (ND) Laboratory analysis indicates that the constituer Parts per million (ppm) & Milligrams per liter (mg/L) Parts per million (ppm) & Milligrams per liter (mg/L) Parts per billion(ppb) & Micrograms per liter (mg/L) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the radioacti Action Level (AL) Concentration of a contaminant which, if excee Treatment Techniques (TT) A treatment technique is a required process inte Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed Maximum Contaminant Level Goal (MCLG)			No		Naturally present in environment		
*** Compliance with Treatment Technique (TT) is a removal ratio of 1.0 and higher (quarterly runnin **** Samples taken from filtered water at the treatment plan Parameter (units) - Sodium	Treatment Technice (TT) - at least 95% of all samples taken each month must be 0.3 NTU or less; - 100% of all samples taken were 0		No	Soil erosion from runoff			
Parameter (units) - Sodium Sodium (ppm) N/A N/A 21.2 ppm N/A Sulfate (ppm) N/A N/A Sulfate (ppm) Non-Detects (ND) Laboratory analysis indicates that the constituer Parts per million (ppm) & Milligrams Parts per million and milligrams per liter are the per liter (mg/L) Parts per billion(ppb) & Micrograms Parts per billion and Micrograms per liter are the per liter (pg/L) Picocuries per liter (pci/l) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the Action Level (AL) Concentration of a contaminant which, if exceed Treatment Techniques (TT) A treatment technique is a required process inter Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG)	* Total Organic Carbon has no health effects. However, it provides a medium for the formation of disinfection byproducts. These byproducts include trihalomethanes and haloacetic acids. Compliance with the treatment technique reduces the formation of these disinfection byproducts. ** Compliance with Treatment Technique (TT) is a removal ratio of 1.0 and higher (quarterly running annual average). The ratio of removal is the actual TOC removal between the source water and treated water.						
Sodium (ppm) N/A N/A 21.2 ppm Sulfate (ppm) N/A Soft ppm Chloride (ppm) N/A N/A 250 ppm 30.3 ppm Chloride (ppm) N/A N/A 250 ppm 13.0 ppm Orthophosphate (ppm) N/A N/A O.5 ppm Non-Detects (ND) Laboratory analysis indicates that the constituer Parts per million (ppm) & Milligrams per liter (mg/L) Parts per billion(ppb) & Micrograms per liter (mg/L) Parts per billion(ppb) & Micrograms Parts per billion(ppb) & Micrograms Parts per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the Action Level (AL) Concentration of a contaminant which, if excee Treatment Techniques (TT) A treatment technique is a required process inte Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG)	*** Samples taken from filtered water at the treatment plan Secondary / Unregulated Contaminants						
Sodium (ppm) N/A N/A 21.2 ppm Sulfate (ppm) N/A 250 ppm 30.3 ppm Chloride (ppm) N/A N/A 250 ppm 13.0 ppm Orthophosphate (ppm) N/A N/A N/A 0.5 ppm Non-Detects (ND) Laboratory analysis indicates that the constituer Parts per million (ppm) & Milligrams per liter (mg/L) Parts per billion(ppb) & Micrograms per liter (µg/L) Picocuries per liter (pCi/l) Picocuries per liter (pCi/l) Nephelometric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the radioacti Action Level (AL) Concentration of a contaminant which, if exceed Treatment Techniques (TT) A treatment technique is a required process inter Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG)	Ra	nge	Violation		Source		
Chloride (ppm) N/A 250 ppm 13.0 ppm Orthophosphate (ppm) N/A N/A 0.5 ppm Non-Detects (ND) Laboratory analysis indicates that the constituer per liter (mg/L) Parts per million (ppm) & Milligrams per liter are the per liter (mg/L) Parts per billion(ppb) & Micrograms Parts per billion and milligrams per liter are the per liter (ug/L) Picocuries per liter (pCi/l) Picocuries per liter (pCi/l) Nephelometric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the radioacti Action Level (AL) Concentration of a contaminant which, if exceed treatment Techniques (TT) A treatment Technique is a required process inter the process inter the period of a contaminant that is allowed the radioaction of the radi	18.5 to 2	23.9 ppm	N/A	Erosion of natural deposits		Erosion of natural deposits	
Non-Detects (ND) Laboratory analysis indicates that the constituer Parts per million (ppm) & Milligrams per liter (mg/L) Parts per million (ppm) & Micrograms Parts per million and milligrams per liter are the per liter (ug/L) Parts per billion(ppb) & Micrograms Parts per billion and Micrograms per liter are the Picocuries per liter (ug/L) Picocuries per liter (pCi/l) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Action Level (AL) Concentration of a contaminant which, if exceed treatment Techniques (TT) A treatment technique is a required process interminant Level (MCL) Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG)	28.4 to 3	32.1 ppm	N/A	Erosion of natural deposits; fertilizer runoff			
Non-Detects (ND) Laboratory analysis indicates that the constituer parts per million (ppm) & Milligrams Parts per million (ppm) & Milligrams Parts per million and milligrams per liter are the per liter (mg/L) Parts per billion(ppb) & Micrograms Parts per billion and Micrograms per liter are the per liter (µg/L) Picocuries per liter (pCi/l) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Action Level (AL) Concentration of a contaminant which, if exceed Treatment Techniques (TT) A treatment technique is a required process inter Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG)	11.3 to 1	14.6 ppm	N/A	Erosion of natural deposits		Erosion of natural deposits	
Parts per million (ppm) & Milligrams per liter (mg/L) Parts per million (ppm) & Milligrams per liter (mg/L) Parts per billion(ppb) & Micrograms per liter are the per liter (ug/L) Picocuries per liter (pCi/l) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the Action Level (AL) Concentration of a contaminant which, if exceed treatment Techniques (TT) A treatment technique is a required process inter the process inter the process inter in the process inter the process interest the process the proc	0.35 to 0	0.62 ppm	N/A	Added as corrosion inhibitor			
Parts per million (ppm) & Milligrams per liter (mg/L) Parts per million (ppm) & Milligrams per liter (mg/L) Parts per billion(ppb) & Micrograms per liter are the per liter (ug/L) Picocuries per liter (pCi/l) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the Action Level (AL) Concentration of a contaminant which, if exceed treatment Techniques (TT) A treatment technique is a required process inter the process inter the process inter in the process inter the process interest the process the proc	Key to acronyms and abbreviations.						
Parts per billion(ppb) & Micrograms Parts per billion and Micrograms per liter are the per liter (µg/L) Picocuries per liter (pCi/l) Picocuries per liter (pCi/l) Nephelometric Turbidity Unit (NTU) Action Level (AL) Concentration of a contaminant which, if exceed Treatment Techniques (TT) A treatment technique is a required process inter Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG) The "Goal" (MCLG) is the level of a contaminant	Non-Detects (ND) Laboratory analysis indicates that the constituent is below the detection level.						
Parts per billion(ppb) & Micrograms per liter (µg/L) Picocuries per liter (pCi/l) Picocuries per liter (pCi/l) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Action Level (AL) Concentration of a contaminant which, if excee Treatment Techniques (TT) A treatment technique is a required process inte Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG) The "Goal" (MCLG) is the level of a contaminant							
Picocuries per liter (pCi/l) Picocuries per liter is a measure of the radioacti Nephelometric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the Action Level (AL) Concentration of a contaminant which, if excee Treatment Techniques (TT) A treatment technique is a required process inte Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG) The "Goal" (MCLG) is the level of a contaminant and (MCLG)	Parts per billion(ppb) & Micrograms Parts per billion and Micrograms per liter are the same. One part per billion corresponds to one minute in 1902 years, or a penny in \$10,000,000.						
Action Level (AL) Concentration of a contaminant which, if excee Treatment Techniques (TT) A treatment technique is a required process inte Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed (MCLG) The "Goal" (MCLG) is the level of a contaminant							
Treatment Techniques (TT) A treatment technique is a required process inte Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed Maximum Contaminant Level Goal (MCLG) The "Goal" (MCLG) is the level of a contaminant	metric Turbidity Unit (NTU) Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just visibly cloudy with the naked eye.						
Maximum Contaminant Level (MCL) The highest level of a contaminate that is allowed Maximum Contaminant Level Goal (MCLG) The "Goal" (MCLG) is the level of a contaminant MCLG)	Concentration of a contaminant which, if exceeded, triggers treatment or other requirements a water system must follow.						
Maximum Contaminant Level Goal (MCLG) The "Goal" (MCLG) is the level of a contaminan	ment Techniques (TT) A treatment technique is a required process intended to reduce level of contaminant in drinking water						
(MCLG)	num Contaminant Level (MCL) The highest level of a contaminate that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology						
	wel Goal The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to MCLG's allow for a margin of safety.						
laximum Residual Disinfection Level The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfection is necessary for control of microbial contaminants.							
Maximum Residual Disinfection Level Goal (MRDLG) The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG does not reflect the benefits of the use of disinfectants.							
No Regulatory Limit (NRL) A substance or chemical constituent that is of interest but currently does not have a regulatory limit or concentration.							
Maximum Contaminant Level Goal (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to MCLG's allow for a margin of safety. Maximum Residual Disinfection Level (MRDL) The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfection is necessary for control of microbial contaminants. Maximum Residual Disinfection Level Goal (MRDLG) The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG does not reflect the benefits of the use of disinfectants.							