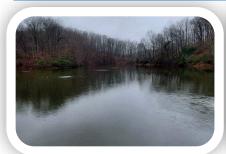


2021 Annual Drinking Water Consumer Confidence Report

Marine Corps Base Quantico Mainside Water System (PWSID 6153675)











Message from the Public Works Officer

Dear MCB Quantico Water Customer,

The Public Works Branch (PWB) of the Marine Corps Base Quantico G-F, Installation and Environment Division, is proud to present this year's (2021) Annual Water Quality Report that details the outstanding quality of Base's Mainside Water System. The Mainside Water System routinely conducts drinking water quality monitoring through numerous water quality tests according to State and Federal regulations. This report summarizes our water quality monitoring results for the period January 1 through December 31, 2021.

Public health and the safety of our water consumers is our top priority and our goal is to provide you with a safe and dependable supply of drinking water. In order to meet this goal, our "Water System Working Group (WSWG)" Team with personnel from the Water Treatment Plant, Utility Section, Facility Maintenance Section, Engineering Section, and Natural Resource & Environmental Affairs Branch meet monthly and continue process improvements to proactively address water quality concerns and issues throughout the year. The followings are some of our recent efforts and changes implemented to improve our water quality:

- Completed a project to modernize and upgrade our chemical feed systems and control systems, allowing us to further optimize finished water quality.
- 2) Continued reliable operation of our new aeration system in our source water reservoir to improve our raw water quality.
- 3) Increased security on our system with improved security camera monitoring system and fences.

- 4) Continued successful implementation on our water system flushing and management programs to systematically and comprehensively flush the Mainside water distribution system and reduce water age (water retention) to further ensure water quality in the Mainside system through the following water programs:
 - Biannual Uni-direction Flushing (UDF) Program,
 - Periodic Spot Flushing Program on dead-end areas
 - Water Storage Tank Turnover Program
 - Comprehensive Water Tank Inspection and Cleaning Program
 - Raw Water Line Flushing Program.
 - Water sampling/testing tracking Program for successful completion of all samples on time and in compliance during 2021.

In spite of many challenges during 2021 including the global COVID-19 pandemic, 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 utilities team including our boots-on-ground Utility Shop Maintenance personnel & our 24/7 Plant operators and assistant staff will continue to strive to provide safe drinking water of the highest quality to our families and the Quantico community.

CDK 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 source water protection, system operation and maintenance improvement, and timely upgrade and replacement of water system infrastructure (pipes, pump stations and tanks) and treatment plant facility. 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/.



GF-Public Works Branch, Utilities MCB Quantico

Public Works Customer Service Desk (703) 784-2072

MCB Quantico Mainside Water System—2021 Consumer Confidence Report

Regarding This Report

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-tenthousand to one-in-a-million chance of having the described health effect for other contaminants.

Sources of Water

All of the water sources for MCB Quantico Mainside System are located inside of the MCB Quantico Base territory and protected from general public access. However, if you witness any illegal activities (e.g., illegal dumping) around or in base waterways, please report your observations to MCB Quantico Security Battalion at 703-784-2251. The Virginia Department of Health (VDH) conducted a source water assessment in 2002. The purpose was to determine the relative susceptibility of the source water to activities in the watershed. Our source water was calculated to have a high susceptibility to contamination due to ongoing Base activities, and we routinely check and mitigate runoff potential. There was no evidence of contamination of the water source in any of our testing.

Mainside Water Treatment Plant

Our Mainside water system (PWSID No. 6153675) and its treatment plant utilizes protected surface water sources and a conventional treatment process (coagulation, flocculation, precipitation, filtration and disinfection process) to deliver potable water to the Base's Mainside customers(located in east side of I-95).

The Mainside Water Treatment Plant (with a design capacity of 3.17 million gallons per day) provided an average of approximately 1.0 million gallons per day in 2021, through approximately 59 miles of water line. Mainside Water Treatment Plant treats source water through its conventional water treatment process (coagulation, floculation, sedimentation, filtration and disinfection). We recently completed a project to modernize and upgrade our treatment chemical feed systems and control systems



Potential Sources of Water Contaminants

The principal source of water for the Mainside Water System is within the boundaries of MCB Quantico and area of \sim 17.4 square miles of land feeds into our Reservoir. As water travels over the surface of the land or through the ground, it dissolves naturally oc-

curring 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 your 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 the purpose of cooking and consumption.



MCB Quantico Mainside Water System—2021 Consumer Confidence Report

Microbial Analysis

Total Coliform: *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 newspaper, radio, or television. A total of 4 positive total coliform samples were detected throughout 2021 but all of them were negative for *E.coli* and all of their repeat samples were negative for total coliform. We are proud to announce that we did not have any samples test present for *E. Coli* (i.e., no *E. coli* MCL violation) during the 2021 calendar year.

Disinfection Byproducts

MCB Quantico Mainside Water System collects disinfection byproducts samples (including Total Trihalomethanes and Haloacetic Acids samples) from 4 different locations every quarter.

During 2021 (all four quarters monitoring events), none of annual running averages from all required disinfection byproducts samples exceeded Total Trihalomethanes (TTHM) MCL (80 ppb) and Halo acetic Acids (HAA5) MCL (60 ppb). In other words, MCB Quantico Mainside Water system is in compliance with TTHM and HAA5 MCLs throughout 2021.

Throughout the year, we've continuously performed disinfection byproducts reduction measures (including the uni-directional flushing program, water storage tank turn-over practice, water storage tank inspection & cleaning, spot flushing) and these recent operational efforts improved our water quality (i.e., TTHM and HAA5 reduction). We anticipate further water quality improvement through these operational measures coupled with the on-going recent chemical feed system and their control system upgrades.

Lead and Copper

During 2019, we completed all required testing for lead and copper. Based on our triennial lead and copper sampling schedule, we are scheduled to conduct next lead and copper testing in 2022. 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 http://water.epa.gov/drink/index.cfm. 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 30 seconds to 2 minutes, 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.

Unregulated Contaminant Monitoring Rule

The Safe Drinking Water Act (SDWA), as amended in 1996, requires the USEPA to establish criteria for a program to monitor unregulated contaminant and publish a list of contaminants to be monitored every five years. USEPA published the first set of contaminants in 1999. Unregulated Contaminant Monitoring Rule 4 (UCMR4) sampling began in April 2018 and continued in 2019.

The fifth Unregulated Contaminant Monitoring Rule (UCMR 5), as proposed, by EPA would require us to collect 30 chemical contaminants between 2023 and 2025 using analytical methods developed by EPA and consensus organizations.

Safe Drinking Water Act (SDWA) requirement mandated publishing the next set of unregulated contaminants to be monitored and the requirements for such monitoring. Implementation of this final rule benefits the environment by providing USEPA and other interested parties with scientifically valid data on the occurrence of the contaminants in drinking water; thereby, permitting the assessment of the population potentially being exposed and the levels of exposure. These results are the primary resource of occurrence and provide exposure data for the USEPA to determine whether to regulate these contaminants.

To view fact sheets about the UCMR5 testing, go to:

https://www.epa.gov/sites/production/files/2021-01/documents/ucmr5-proposal-factsheet-draft.pdf

Cryptosporidium in Source Water

Cryptosporidium testing from MCB Quantico Mainside Water System source water was completed in October 2018 and results indicate that MCBQ Raw Source Water is safe to consume once treated. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Conclusion

All of our Public Works Utilities Team work around the clock to provide top quality water to our families, co-workers and the Quantico Community.

In order to meet your needs of a safe and dependable water supply, we will continue to make improvements to our treatment facility and supply lines that benefit all of our customers. During our biannual uni-directional flushing events, water mains and fire hydrants are flushed through our systematic uni-directional flushing program. 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 703-432-2466 (MCBQ GF-Public Works Branch FMS Utilities and Energy Management Section).

Quantico Marine Corps Base Water Quality Report Mainside 2021

					Primary Regulated Conta No. of Samples Indicati	iminants ing Presence of Bacteria	Number of Monthly			
Microbiological Results		MCLG		MCL			Samples	Violation	Major source in drinking water.	
Fotal Coliform Bacteria		0	NA*		Total of 4 samples* during 2021: One (1) in Jul 2021; One (1) in Augt 2021; Two (2) in Sep 2021 * None of their repeat samples show presence of total coliform		20	No	Naturally present in the environment and Human 8 animal fecal waste	
E. Coli		0	A routine sample & a repeat sample are coliform positive & one is also fecal coliform positive. **		0		20	No	Naturally present in the environment and Human animal fecal waste	
ead & Copper (Metals)	* Two or r	Action Level	n positive samples per n 90th Percentile	Number of sites tested	No. of Sites Exceeding action level	ngly. ** Any E.coli MCL vilo Range Low to Highest	Viloation	ent and corrective actions according	y. Source	
Copper (ppm)	0	1.3 ppm	0.24 ppm	30	1	0.02 ppm to 2.10 ppm	No	Corrosion of household plumb	ing systems	
ead (ppb)	0	15 ppb	5 ppb	30	0	<2.0 ppb to 13 ppb	No	Corrosion of household plumbing systems		
Substance (units)	MCLG	MCL	Level Detected	Range Low to	High	Violation	the most recent monitoring period in 2019. The next lead and copper monitoring is scheduled in 2022. Source			
luoride (ppm) Results from distribution.	4	4	(ppm) 0.21	Minimum (ppm) 0 (Non Detect)	Maximum (ppm)	No	Added to the drinking water to promote dental health; erosion of natural deposits; discharge from fertilize			
Chlorine (ppm) Results from distribution	MRDLG = 4	MRDL^ = 4	3.10	0.20	3.10	No	and aluminum factories. Added to drinking water as a disinfectant.			
system. Nitrate-Nitrite (ppm) Sample from entry	MCLG	10	One test below	N/A	No	No	Leaching from septic tanks, fertilizer, erosion of natural deposits.			
point.	2	2	detection level 0.13	Only 1 sample colle			Erosion of natural deposits.			
Barium (ppm)			0.13	Only 1 sample cone	ectedy tested	No		Erosion of flatural C	reposits.	
MRDL: Maximum Residual Disinfection Level	(in mg/L or ppm)	I		I	1	I			
Radiological (pCi/L)	MCLG	MCL	Level Detected	Range Low to High	When Tested	Violation		Source		
Gross Beta (pCi/L)	0	50 pCi/L *	ND	One test, <4.80 pCi/L Below minimum detectable activity	2019	No		Erosion of natural d	leposits.	
Radium 226 (pCi/L)	0	N/A	ND	One test <0.456 pCi/L Below	2019	No	Erosion of natural deposits.			
Radium 228 (pCi/L)	0	N/A	ND ND	minimum detectable activity One test <1.22 pCi/L Below	2019	No		Erosion of natural deposits. Erosion of natural deposits.		
Radium 228 (pci/L) Radium 226 + 228 (combined)	0		ND ND	minimum detectable activity One test Below minimum	2019	No No		Erosion of natural d	·	
Gross Alpha (pCi/L)	0	5 pCi/L 15 pCi/L	ND ND	detectable activity. One test <3.09 PCi/L Below	2019	No		Erosion of natural d		
				minimum detectable activity. One test <1.0 ppb Below minimum					<u> </u>	
Uranium (ppb)	0	30 ppb	ND	detectable level.	2019 I to be the level of concern.	No	Erosion of natural deposits.			
							pung.			
Disinfection By-Products	MCLG	MCL	Highest Locational I	Running Annual Average [#] (During CY 2021)	Minimum (ppb)	Maximum (ppb)	Violation		Source	
rihalomethane THM (ppb)	0	80 ppb	58	ppb	15	127	No	By-product of	of drinking water disinfection.	
Haloacetic Acids Group HAA5 (ppb)	0	60 ppb	39	ppb	11	53	No	By-product of	of drinking water disinfection.	
During CY 2021, none of annual running aver	ages from all req	uired disinfection	byproducts samples exc	eeded Total Trihalomethanes (TTHM)	MCL (0.080 mg/L) and Halo ac	etic Acids (HAA5) MCL (0.060	mg/L).			
	MCLG	MCL	Quartly Running Annual Average of monthly TOC Range Low to High		Combined Filtered Water TOC in mg/L Range Low to High					
Total Organic Carbons (TOC)				Maximum Ratio			Violation		Source	
			Minimum Ratio	waximum katio	Minimum (ppm)	Maximum (ppm)				
Treatment Technique (TT)	N/A	TT ^{&} OROQ ≥1	1.38	1.67	Minimum (ppm)	Maximum (ppm)	No	Naturall	y present in environment	
Treatment Technique (TT) Compliance with tresult). The ratio of removal is calcuated as "th	reatment techni e actual TOC rer	QRQQ ≥1 que is a removal ra noval percent (be	1.38 atio of 1.0 and higher an tween the source water	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requ	1.14 nnual Average (QRAA) of the maired TOC removal	2.12	Organic Carbon removal between	the source water and the treated w	ater in a calendar year (not based on an individual	
Treatment Technique (TT) Compliance with to result). The ratio of removal is calcuated as "th based on source water TOC and alkaklinity). T	reatment techni e actual TOC rer	QRQQ ≥1 que is a removal ra noval percent (be	1.38 atio of 1.0 and higher an tween the source water	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requ	1.14 nnual Average (QRAA) of the maired TOC removal	2.12	Organic Carbon removal between	the source water and the treated w	* *	
s Treatment Technique (TT) Compliance with t result). The ratio of removal is calcuated as "th (based on source water TOC and alkaklinity). To byproducts.	reatment techni e actual TOC rer	QRQQ ≥1 que is a removal ra noval percent (be	1.38 atio of 1.0 and higher an tween the source water	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requ	1.14 nnual Average (QRAA) of the mired TOC removal n of disinfection byproducts.	2.12	Prganic Carbon removal between	the source water and the treated w	ater in a calendar year (not based on an individual	
^a Treatment Technique (TT) Compliance with It result). The ratio of removal is calcuated as "th Dassed on source water TOC and alkakinity). Typroducts. Turbidity (NTU)	reatment technic e actual TOC ren otal Organic Car	QRQQ ≥1 que is a removal r. noval percent (be bon (TOC) has no	1.38 atio of 1.0 and higher an tween the source water health effects. However	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the request, it provides a medium for the formation	1.14 Innual Average (QRAA) of the mired TOC removal n of disinfection byproducts.	2.12 nonthly ratios of actual Total C These byproducts include triha	Organic Carbon removal betwees alomethanes and haloacetic acid	the source water and the treated w s. Compliance with the treatment te lowest average*	ater in a calendar year (not based on an individual chnique reduces the formation of these disinfection	
¹ Treatment Technique (TT) Compliance with tesult). The ratio of removal is calcuated as "th based on source water TOC and alkaklinity). Typroducts. Turbidity (NTU) Nephelometric (NTU)	reatment technic e actual TOC rer total Organic Car MCLG N/A	QRQQ ≥1 que is a removal r. noval percent (bet bon (TOC) has no MCL	1.38 atio of 1.0 and higher an tiween the source water health effects. However Annual avg. 0.09	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requ, it provides a medium for the formatio Range Low to	1.14 nnual Average (QRAA) of the mired TOC removal n of disinfection byproducts. • High	2.12 nonthly ratios of actual Total C These byproducts include trih: Highest single measurement 0.37	Organic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during	the source water and the treated w is. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU	ater in a calendar year (not based on an individual chnique reduces the formation of these disinfection Source Soil runoff.	
¹ Treatment Technique (TT) Compliance with tesult). The ratio of removal is calcuated as "th based on source water TOC and alkaklinity). Typroducts. Turbidity (NTU) Nephelometric (NTU)	reatment technic e actual TOC rer total Organic Car MCLG N/A	QRQQ ≥1 que is a removal r. noval percent (bet bon (TOC) has no MCL	1.38 atio of 1.0 and higher an tiween the source water health effects. However Annual avg. 0.09	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requ ,it provides a medium for the formatio Range Low to 0.00 to 0. re disinfection. The turbidity level of fil	1.14 nnual Average (QRAA) of the mired TOC removal n of disinfection byproducts. • High	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	Organic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during	the source water and the treated w is. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU	ater in a calendar year (not based on an individual chnique reduces the formation of these disinfection Source Soil runoff.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "th based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the treatment of the remainder	reatment technic e actual TOC rer total Organic Car MCLG N/A	QRQQ ≥1 que is a removal r. noval percent (bet bon (TOC) has no MCL	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requ ,it provides a medium for the formatio Range Low to 0.00 to 0. re disinfection. The turbidity level of fil	1.14 nnual Average (QRAA) of the m irred TOC removal n of disinfection byproducts. High 37 Hered water shall be less than	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	Organic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during	the source water and the treated w is. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU	ater in a calendar year (not based on an individual chnique reduces the formation of these disinfection Source Soil runoff.	
Treatment Technique (TT) Compliance with the seault). The ratio of removal is calcuated as "the based on source water TOC and alkaklinity). Topyproducts. Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the tree.	reatment technic e actual TOC rerotal Organic Car MCLG N/A atment process	QRQQ ≥1 que is a removal r. noval percent (bet bon (TOC) has no MCL TT after the water ha SMCL 0.05 to 0.2	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requility reprovides a medium for the formation of the formation	1.14 nnual Average (QRAA) of the m ilred TOC removal n of disinfection byproducts. 3 High 37 Ittered water shall be less thar condary Regulated Cont	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly m	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e	ater in a calendar year (not based on an individual chnique reduces the formation of these disinfection Source Soil runoff.	
Treatment Technique (TT) Compliance with the seault). The ratio of removal is calcuated as "the based on source water TOC and alkaklinity). To any or the source water TOC and alkaklinity). To any or the source water TOC and alkaklinity). Turbidity (NTU) Turbidity (NTU) Turbidity levels are measured during the tree seasons are measured during the tree seasons water the	eatment technic re actual TOC rer otal Organic Car MCLG N/A atment process PMCL N/A	QRQQ ≥1 que is a removal re noval percent (be) bon (TOC) has no MCL TT after the water ha SMCL 0.05 to 0.2 ppm	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the require provides a medium for the formation Range Low to 0.00 to	1.14 Innual Average (QRAA) of the m ired TOC removal n of disinfection byproducts. D High 37 Iltered water shall be less than Violation No	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly m	the source water and the treated w ts. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU easurements, and shall at no time e Source turally present in environment	ater in a calendar year (not based on an individual chnique reduces the formation of these disinfection Source Soil runoff.	
Treatment Technique (TT) Compliance with it essuit). The ratio of removal is calcuated as "th based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the treatment of the treatment	eatment technic re actual TOC rer otal Organic Car MCLG N/A atment process	QRQQ≥1 que is a removal r. noval percent (bet bon (TOC) has no MCL TT after the water ha SMCL 0.05 to 0.2 ppm 0.3 ppm	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requ it provides a medium for the formatio Range Low to 0.00 to 0. we disinfection. The turbidity level of fil	1.14 Innual Average (QRAA) of the m irred TOC removal n of disinfection byproducts. b High 37 Iltered water shall be less than condary Regulated Cont Violation	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	prigranic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly m	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU easurements, and shall at no time e Source	ater in a calendar year (not based on an individual chnique reduces the formation of these disinfection Source Soil runoff.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "th based on source water TOC and alkakinity). Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the treatment of the treatment o	reatment technic e actual TOC rer otal Organic Car MCLG N/A atment process PMCL N/A N/A N/A	QRQQ ≥1 que is a removal re noval percent (be) bon (TOC) has no MCL TT after the water ha SMCL 0.05 to 0.2 ppm	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requility reprovides a medium for the formation of the formation	1.14 nnual Average (QRAA) of the miled TOC removal n of disinfection byproducts. 37 Ittered water shall be less than condary Regulated Cont Violation No No	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly m Na Na	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment turally present in environment	ater in a calendar year (not based on an individual chnique reduces the formation of these disinfection Source Soil runoff.	
Treatment Technique (TT) Compliance with the sesult). The ratio of removal is calcuated as "the sased on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the treatment of the treatmen	eatment technic e actual TOC rer otal Organic Car MCLG N/A atment process PMCL N/A N/A N/A	QRQQ ≥1 QRQQ ≥1 QRQQ ≥1 QRQQ ≥1 QRQQ ≥1 QRQQ ≥1 TT SMCL SMCL 0.05 to 0.2 ppm 0.3 ppm 250ppm	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requility in the formation of	1.14 nnual Average (QRAA) of the m irred TOC removal n of disinfection byproducts. O High 37 Itered water shall be less than condary Regulated Cont Violation No No	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly m Na Na Na Na	the source water and the treated w is. Compliance with the treatment te lowest average* NA ,2021 were less than 0.3 NTU easurements, and shall at no time e Source turally present in environment turally present in environment turally present in environment	Source Soil runoff. xxeed 1 NTU.	
Treatment Technique (TT) Compliance with the seabilt, The ratio of removal is calcuated as "based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the treatment of	eatment technical eactual TOC renotal Organic Car MCLG N/A sament process PMCL N/A N/A N/A N/A	grad 2 a que sa a removal r. A que sa a removal r. A que sa a removal r. A que so a removal percent (be bon (TOC) has no MCL TT SMCL 0.05 to 0.2 ppm 250ppm 250ppm	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requility in the formation of	1.14 nnual Average (QRAA) of the m iired TOC removal n of disinfection byproducts. O High 37 Itered water shall be less than condary Regulated Cont Violation No No No	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	prganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly m Na Na Na Naturally present in the 6	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment turally present in environment turally present in environment turally present in environment	Source Soil runoff. xxeed 1 NTU.	
Treatment Technique (TT) Compliance with the seault). The ratio of removal is calcuated as "based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the treatment of	eatment technical earth	group a group and	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requility in the formation of	1.14 nnual Average (QRAA) of the m irred TOC removal n of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Cont Violation No No No No	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	prganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly m Na Na Na Naturally present in the ce	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment	Source Soil runoff. xxeed 1 NTU.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "blassed on source water TOC and alkaklinity). Total Dissolvent of the result o	eatment technical TOC rer otal Organic Car MCLG N/A N/A N/A N/A N/A N/A N/A N/	group and a second	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Arand treated water) devided by the requilit provides a medium for the formation of	1.14 noual Average (DRAA) of the m irred TDC removal of disinfection byproducts. high 37 Itered water shall be less than condary Regulated Cont No No No No No No No	2.12 nonthly ratios of actual Total C These byproducts include trihi Highest single measurement 0.37 or equal to 0.3 NTU in at les	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly m Na Na Na Na Na Na Naturally present in the 6 Na	the source water and the treated w s. Compliance with the treatment te lowest average NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xxxeed 1 NTU.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity (NTU) Turbidity (NTU) Turbidity (NTU) Turbidity (NTU) Secondary Contaminants (units) Aluminum (mg/L) Chloride (mg/L) Sulfate (mg/L) Manganese (mg/L) Total Dissolved Solid (mg/L) Color (CU) Sodium (mg/L)	eatment technical TOC rerotal Organic Car MCLG N/A N/A PMCL N/A N/A N/A N/A N/A N/A N/A N/	gRQQ 21 gue is a removal rin oval percent (be) o	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the require to read the following the response of the formation of t	1.14 noual Average (CRAA) of the m irred TOC removal or disinfection byproducts. D High 37 Itered water shall be less than condary Regulated Cont No No No No No No No No No N	2.12 nonthly ratios of actual Total C These byproducts include trih Highest single measurement 0.37 or equal to 0.3 NTU in at less taminants	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly man Na	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment Naturally occuring organics.	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it essuit). The ratio of removal is calcuated as "the saxed on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the treatment of the treatment	eatment technical TOC rer otal Organic Car MCLG N/A N/A PMCL N/A N/A N/A N/A N/A N/A N/A N/	group a removal river to the control of the control	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 dis based upon a Quarterly Running Ar and treated water) devided by the require to read the same distribution of the formation of the for	1.14 nual Average (QRAA) of the m irred TOC removal n of disinfection byproducts. b High 37 Itered water shall be less than condary Regulated Cont Violation No No No No No No No No No	2.12 nonthly ratios of actual Total C These byproducts include trill Highest single measurement 0.37 or equal to 0.3 NTU in at les aminants Natural	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly m Na Na Na Na Naturally present in the control of the Na Salt water intrusion, leady by present in environment; ruly pres	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity (NTU) Turbidity (NTU) Turbidity (NTU) Turbidity (NTU) Secondary Contaminants (units) Aluminum (mg/L) Chloride (mg/L) Sulfate (mg/L) Manganese (mg/L) Total Dissolved Solid (mg/L) Color (CU) Sodium (mg/L)	eatment technical TOC rer otal Organic Car MCLG N/A N/A PMCL N/A N/A N/A N/A N/A N/A N/A N/	group a removal river to the control of the control	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the require provides a medium for the formation of	1.14 nual Average (QRAA) of the m irred TOC removal n of disinfection byproducts. b High 37 Itered water shall be less than condary Regulated Cont Violation No No No No No No No No No	2.12 nonthly ratios of actual Total C These byproducts include trills Highest single measurement 0.37 or equal to 0.3 NTU in at lea taminants Natural	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly m Na Na Na Na Naturally present in the control of the Na Salt water intrusion, leady by present in environment; ruly pres	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity (NTU) Turbidity (NTU) Turbidity (NTU) Turbidity (NTU) Secondary Contaminants (units) Aluminum (mg/L) Chloride (mg/L) Sulfate (mg/L) Manganese (mg/L) Total Dissolved Solid (mg/L) Color (CU) Sodium (mg/L)	eatment technical TOC rer otal Organic Car MCLG N/A N/A PMCL N/A N/A N/A N/A N/A N/A N/A N/	group a removal river to the control of the control	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 s been filtered, but before the source water health effects.	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the require provides a medium for the formation of	1.14 Innual Average (QRAA) of the m ired TOC removal n of disinfection byproducts. D High 37 Iltered water shall be less than coondary Regulated Cont No	2.12 nonthly ratios of actual Total C These byproducts include trifu Highest single measurement 0.37 or equal to 0.3 NTU in at lee taminants Natural	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly m Na Na Na Na Naturally present in the control of the Na Salt water intrusion, leady by present in environment; ruly pres	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity (NTU) Turbidity levels are measured during the treatment of	eatment technical eactual TOC rerootal Organic Car MCLG N/A N/A N/A N/A N/A N/A N/A N/	QRQQ 21 que is a removal rin que is a removal rin Que is a removal rin MCL TT TT affer the water ha SMCL 0.05 to 0.2 ppm 0.3 ppm 250ppm 0.050 ppm 0.050 ppm 15 CU N/A 5 ppm	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 as been filtered, but before the source water health effects. However health effects was been filtered and the source water health effects. However health effects was been filtered and the source was a sou	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the require provides a medium for the formation of	1.14 mual Average (QRAA) of the m irred TOC removal n of disinfection byproducts. D High 37 Itered water shall be less than coondary Regulated Cont Violation No No No No No No No No No	2.12 nonthly ratios of actual Total C These byproducts include trifu Highest single measurement 0.37 or equal to 0.3 NTU in at lee taminants Natural	prganic Carbon removal between alomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly m Na Na Na Na Naturally present in the control of the Na Salt water intrusion, leady by present in environment; ruly pres	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with tesult). The ratio of removal is calcuated as "the ratio of removal is calcuated as "the passed on source water TOC and alkakinity). Turbidity (NTU) Rephelometric (NTU) Turbidity (NTU) Turbidity levels are measured during the treatment of the treatment of the passes	eatment technical TOC rerotal Organic Car MCLG N/A N/A N/A N/A N/A N/A N/A N/	QRQQ 21 que is a removal ra- que is a removal ra- que is bette for the following present bette TT TT after the water ha SMCL 0.05 to 0.2 ppm 0.3 ppm 250ppm 250ppm 250ppm 500ppm 500ppm 15 CU N/A 5 ppm alysis indicates to on (ppm) and mil	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 ss been filtered, but before the source water health effects. However health effects was a second or the source water health effects. However health effects water health effects was a second or the source water health effects. However health effects water health effects. However, water health effects water heal	1.67 dis based upon a Quarterly Running Ar and treated water) devided by the requility provides a medium for the formation of	1.14 nual Average (DRAA) of the m ired TOC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No No No No No No No No No N	2.12 nonthly ratios of actual Total C These byproducts include trilly Highest single measurement 0.37 or equal to 0.3 NTU in at less aminants Natural Minant Monitoring Rule g CY 2021. eviations.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly many many many many many many many man	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it sessit). The ratio of removal is calcuated as "the ratio of removal is calcuated as "the products." Turbidity (NTU) Idephelometric (NTU) Turbidity levels are measured during the treatment of the products. Juminum (mg/L) J	eatment technical TOC rerotal Organic Car MCLG N/A N/A N/A N/A N/A N/A N/A N/	QRQQ 21 que is a removal ra- que is a removal ra- que is bette for the following present bette TT TT after the water ha SMCL 0.05 to 0.2 ppm 0.3 ppm 250ppm 250ppm 250ppm 500ppm 500ppm 15 CU N/A 5 ppm alysis indicates to on (ppm) and mil	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 ss been filtered, but before the source water health effects. However health effects was a second or the source water health effects. However health effects water health effects was a second or the source water health effects. However health effects water health effects. However, water health effects water heal	1.67 dis based upon a Quarterly Running Ar and treated water) devided by the requility provides a medium for the formation of	1.14 nual Average (DRAA) of the m ired TOC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No No No No No No No No No N	2.12 nonthly ratios of actual Total C These byproducts include trilly Highest single measurement 0.37 or equal to 0.3 NTU in at less aminants Natural Minant Monitoring Rule g CY 2021. eviations.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly many many many many many many many man	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkakinity). To shared on source water TOC and alkakinity). Turbidity (NTU) Nephelometric (NTU) Turbidity (NTU) Purbidity levels are measured during the treatment of the state of t	eatment technical roc record of the control of the	QRQQ 21 que is a removal ri, q	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 ss been filtered, but before the source water health effects. However health effects was a second or the source water health effects. However health effects water health effects was a second or the source water health effects. However health effects water health effects. However, water health effects water heal	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requite provides a medium for the formation of	1.14 nual Average (DRAA) of the m ired TOC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No No No No No No No No No N	2.12 nonthly ratios of actual Total C These byproducts include trilly Highest single measurement 0.37 or equal to 0.3 NTU in at less aminants Natural Minant Monitoring Rule g CY 2021. eviations.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly many many many many many many many man	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it essuit). The ratio of removal is calcuated as "the saxed on source water TOC and alkaklinity). To shared on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity (Nevels are measured during the treatment of the same measured during the same measured dur	eatment technical TOC rerotal OTO rerotal OTO TOC TOTAL OTO TOTAL OT	QRQQ 21 que is a removal rivar que y a removal rivar que be bon (TOC) has no MCL TT after the water ha SMCL 0.05 to 0.2 ppm 0.3 ppm 250ppm 0.050 ppm 500ppm 15 CU N/A 5 ppm alysis indicates to on (ppm) and mil on (ppb) and milor (iter (pCi/L) is a	1.38 atio of 1.0 and higher an tween the source water health effects. However Annual avg. 0.09 ss been filtered, but before the source water health effects. However health effects was a seen filtered, but before the source water health effects. However health effects was a seen filtered, but before the source water health effects with the source water health effects was a seen filtered, but before the source water health effects was a seen filtered water health effects with the source water health effects was a seen filtered water health effects with the source water health effects water h	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requite provides a medium for the formation of	1.14 nual Average (DRAA) of the m ired TDC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No No No No No No No No No violation No violation No violation No violation vi	2.12 nonthly ratios of actual Total C These byproducts include trihy Highest single measurement 0.37 or equal to 0.3 NTU in at less taminants Natural minant Monitoring Rule g CY 2021. eviations. It wo years, or a penny in \$ 2000 years, or a penny in \$	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly many many many many many many many man	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkakinity). To shade on source water TOC and alkakinity). Turbidity (NTU) Nephelometric (NTU) Prurbidity (NTU) Prurbidity levels are measured during the treatment of the source of the s	eatment technical control of the con	QRQQ 21 que is a removal river. MCL TT after the water ha SMCL 0.05 to 0.2 ppm 0.3 ppm 250ppm 0.050 ppm 500ppm 15 CU N/A 5 ppm alysis indicates to on (ppm) and min (ppph) an	atio of 1.0 and higher an tween the source water health effects. However the alth effects, However the source water health effects with the source water health effects water health effects with the source water health effects with the source water health effects with the source water health effects water he	1.67 d is based upon a Quarterly Running Arand treated water) devided by the requite provides a medium for the formation of t	1.14 nual Average (DRAA) of the m ired TOC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No No No No No No No No No N	2.12 nonthly ratios of actual Total C These byproducts include trihs Highest single measurement 0.37 or equal to 0.3 NTU in at less aminants Natural Ininant Monitoring Rule g CY 2021. eviations. Itwo years, or a penny in \$ 2000 years, or a penny in \$ dy with the naked eye.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly many many many many many many many man	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it essuit). The ratio of removal is calcuated as "the sased on source water TOC and alkakinity). Turbidity (NTU) Rephelometric (NTU) Turbidity levels are measured during the treatment of the same stream of the same st	eatment technical control of the con	QRQQ 21 que is a removal ri, que is bette in the control of the	atio of 1.0 and higher an tween the source water health effects. However the alth effects, However the alth effects, However the source water health effects, However the alth effects, However the alth effects, However the alth effects, However the alth effects water the alth effects with the constituent is be illigrams per liter (mg/L, roggrams per liter	1.67 d is based upon a Quarterly Running Arand treated water) devided by the requite provides a medium for the formation of t	1.14 nual Average (DRAA) of the m ired TDC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No No No No No No No No No N	2.12 nonthly ratios of actual Total C These byproducts include trihs Highest single measurement 0.37 or equal to 0.3 NTU in at less aminants Natural Ininant Monitoring Rule g CY 2021. eviations. Itwo years, or a penny in \$ 2000 years, or a penny in \$ dy with the naked eye.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly many many many many many many many man	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it essult). The ratio of removal is calcuated as "based on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity (NTU) Turbidity levels are measured during the tree of the condition of the c	eatment technical care actual TOC rerotal Organic Care MCLG N/A N/A PMCL N/A N/A N/A N/A N/A N/A N/A N/	QRQQ 21 que is a removal rivor libe bon (TOC) has no MCL TT after the water ha SMCL 0.05 to 0.2 ppm 0.3 ppm 250ppm 0.35ppm 500ppm 0.050 ppm 15 CU N/A 5 ppm allysis indicates to on (ppm) and min	atio of 1.0 and higher an tween the source water health effects. However the alth effects, However the alth effects, However the source water health effects, However the alth effects, However the alth effects, However the alth effects, However the alth effects water the alth effects with the constituent is belief the constituent is belief the alth effects with the constituent is belief the constituent is belief the constituent is belief the constituent is belief the constituent in the constituent in the constituent is belief the constituent in the constituent in the constituent is belief the constituent in the constituent in the constituent is belief the constituent in the constituent in the constituent is belief the constituent in the constituent in the constituent is belief the constituent in the constituent in the constituent is belief the constituent in the constituent in the constituent is belief the constituent in the constituent in the constituent is belief the constituent in t	1.67 dis based upon a Quarterly Running Ar and treated water) devided by the requite provides a medium for the formation of t	1.14 nual Average (DRAA) of the m ired TDC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No No No No No No No No No N	2.12 nonthly ratios of actual Total C These byproducts include trihy Highest single measurement 0.37 or equal to 0.3 NTU in at less aminants Natural Minant Monitoring Rule g CY 2021. eviations. two years, or a penny in \$ 2000 years, or a penny in \$ dy with the naked eye. ow.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly man Naturally present in the end of the month	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e source turally present in environment Naturally occuring organics. ching from soil, chemicals used in	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkaklinity). To sport of the control of the contr	eatment technical control of the con	geg 2 a removal river to the bon (TOC) has no more percent (be bon (DOC) h	atio of 1.0 and higher an tween the source water health effects. However health effects, However healt	1.67 dis based upon a Quarterly Running Ar and treated water) devided by the requite provides a medium for the formation of t	1.14 noual Average (QRAA) of the m irred TOC removal of disinfection byproducts. P High 37 Itered water shall be less than condary Regulated Cont No On No	2.12 conthly ratios of actual Total C These byproducts include trih Highest single measurement 0.37 or equal to 0.3 NTU in at less caminants Natural minant Monitoring Rule g CY 2021. Evolutions. two years, or a penny in \$ 2000 years, or a penny in \$ dy with the naked eye. ow.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly many many many many many many many man	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment invironment; addition of water tr turally present in environment Naturally occuring organics. ching from soil, chemicals used in moff/leaching from natural depo	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkaklinity). To speed on source water TOC and alkaklinity). Turbidity (NTU) Nephelometric (NTU) Turbidity (NTU) Nephelometric (NTU) Turbidity levels are measured during the tree of the content of	eatment technical control of the con	geg 2 a removal river to the bon (TOC) has no more percent (be bon (DOC) h	atio of 1.0 and higher an tween the source water health effects. However health effects, However healt	1.67 dis based upon a Quarterly Running Ar and treated water) devided by the requite provides a medium for the formation of t	1.14 noual Average (QRAA) of the m irred TOC removal of disinfection byproducts. P High 37 Itered water shall be less than condary Regulated Cont No On No	2.12 conthly ratios of actual Total C These byproducts include trih Highest single measurement 0.37 or equal to 0.3 NTU in at less caminants Natural minant Monitoring Rule g CY 2021. Evolutions. two years, or a penny in \$ 2000 years, or a penny in \$ dy with the naked eye. ow.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during set 95 percent of the monthly many many many many many many many man	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment invironment; addition of water tr turally present in environment Naturally occuring organics. ching from soil, chemicals used in moff/leaching from natural depo	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
* Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "blosed on source water TOC and alkaklinity). To byproducts. * Turbidity (NTU) * Turbidity (NTU) * Turbidity (NTU) * Turbidity (evels are measured during the treatment of the product of the produ	eatment technical care actual TOC rerotal Organic Care MCLG N/A MCLG N/A N/A N/A N/A N/A N/A N/A N/	QRQQ 21 que is a removal race rube both (TOC) has no MCL TT after the water ha SMCL 0.05 to 0.2 ppm 0.3 ppm 250ppm 0.050 ppm 5500ppm 15 CU N/A 5 ppm allysis indicates to on (ppm) and min (pph) and min (pph) and min (pph) and min chinique is a required for a contaminan chinique is a required of a contaminant Lin	atio of 1.0 and higher an tween the source water health effects. However health effects, However healt	1.67 dis based upon a Quarterly Running Ar and treated water) devided by the requite provides a medium for the formation of t	1.14 nual Average (DRAA) of the m ired TDC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No on No No on No on on on outstances moniotred durin y to acronyms and abbre corresponds to one minute in orresponds to one minute in o	2.12 conthly ratios of actual Total C These byproducts include trih Highest single measurement 0.37 or equal to 0.3 NTU in at less caminants Natural Minant Monitoring Rule g CY 2021. eviations. two years, or a penny in \$ dy with the naked eye. ow.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly man Naturally present in the end of the monthly man Naturally present in the end of the monthly man Naturally present in the end of the monthly man Naturally present in the end of the monthly man Naturally present in the end of the monthly man Naturally present in the end of the monthly man Naturally present in environment; ru (UCMR)	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment invironment; addition of water tr turally present in environment Naturally occuring organics. ching from soil, chemicals used in moff/leaching from natural depo	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
* Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "blosed on source water TOC and alkaklinity). To byproducts. * Turbidity (NTU) * Turbidity (NTU) * Turbidity (NTU) * Turbidity levels are measured during the treatment of the product of the produ	eatment technical corrections of the control of the	general are removal in considerate the conside	atio of 1.0 and higher an tween the source water health effects. However health effects, However healt	1.67 d is based upon a Quarterly Running Ar and treated water) devided by the requite provides a medium for the formation of	1.14 nual Average (DRAA) of the m ired TOC removal of disinfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No of the model of the mod	2.12 conthly ratios of actual Total C These byproducts include trih Highest single measurement 0.37 or equal to 0.3 NTU in at less aminants Natural Matural Matural Monitoring Rule g CY 2021. eviations. two years, or a penny in \$ 2000 years, or a penny in \$ dy with the naked eye. ow.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly man was a sample of the month	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment invironment; addition of water tr turally present in environment Naturally occuring organics. ching from soil, chemicals used in moff/leaching from natural depo	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	
*Treatment Technique (TT) Compliance with it result). The ratio of removal is calcuated as "based on source water TOC and alkakinity). To hyporoducts. *Turbidity (NTU) Nephelometric (NTU) *Turbidity (NTU) *	eatment technical control of the con	general are removal in ovola percent (between 1900) as no more protection of the control of the	atio of 1.0 and higher an tween the source water health effects. However health effects, However healt	1.67 dis based upon a Quarterly Running Ar and treated water) devided by the requite provides a medium for the formation of t	1.14 nual Average (DRAA) of the m ired TOC removal of diamfection byproducts. High 37 Itered water shall be less than condary Regulated Conta No of the model of the m	2.12 conthly ratios of actual Total C These byproducts include trih Highest single measurement 0.37 or equal to 0.3 NTU in at less aminants Natural Matural Matural Monitoring Rule g CY 2021. eviations. two years, or a penny in \$ 2000 years, or a penny in \$ dy with the naked eye. ow.	preganic Carbon removal between allomethanes and haloacetic acid Month with 100% of samples during ast 95 percent of the monthly man was a sample of the month	the source water and the treated w s. Compliance with the treatment te lowest average* NA 2021 were less than 0.3 NTU assurements, and shall at no time e Source turally present in environment invironment; addition of water tr turally present in environment Naturally occuring organics. ching from soil, chemicals used in moff/leaching from natural depo	ater in a calendar year (not based on an individual chrique reduces the formation of these disinfection Source Soil runoff. xceed 1 NTU. eatment substances.	