

Contaminants	Amount Detected*	Unit of Measure	Range	
			Low	High
Finished Drinking Water Detections				
Explosive (Munitions) Constituents				
2,4,6-Trinitrotoluene	0.15	ug/L	Only Detection	
Perchlorate	0.357	ug/L	0.15	0.48
Inorganic Contaminants				
Arsenic	0.97	ug/L	Only Detection	
Barium	0.4925	ug/L	0.46	0.52
Calcium	23,500	ug/L	23,000	24,000
Chlorate	550	ug/L	330	780
Chloride	31,000	ug/L	31,000	31,000
Lead	0.14	ug/L	Only Detection	
Magnesium	1,625	ug/L	1,500	1,700
Potassium	5,725	ug/L	5,300	6,100
Selenium	0.6	ug/L	0.6	0.6
Sodium	101,750	ug/L	93,000	110,000
Strontium	86	ug/L	77	94
Vanadium	0.33	ug/L	0.33	0.33
PFAS				
No Detections				
Synthetic Organic Contaminants				
Chlordane	0.012	ug/L	Only Detection	
Di(2-ethylhexyl)phthalate	0.82	ug/L	Only Detection	
Total Organic Carbon				
Total Organic Carbon	1600	ug/L	1600	1600
Volatile Organic Contaminants				
Bromodichloromethane	9.63	ug/L	9.2	10
Bromoform	0.543	ug/L	0.41	0.64
Chloroform	12.3	ug/L	12	13
Dibromochloromethane	5.47	ug/L	4.8	5.9
Raw Groundwater Detections				
Explosive (Munitions) Constituents				
Perchlorate	0.339	ug/L	0.028	0.91
Inorganic Contaminants				
Barium	1.70	ug/L	0.34	3.7
Cadmium	0.047	ug/L	Only Detection	
Calcium	74,115	ug/L	63,000	91,000
Chlorate	4.90	ug/L	2.6	6.5
Chloride	21,988	ug/L	8,300	66,000
Cobalt	0.129	ug/L	0.12	0.14
Copper	23.4	ug/L	4.2	33
Iron	49	ug/L	19	92
Lead	0.0695	ug/L	0.063	0.08
Magnesium	5,092	ug/L	4,100	6,300
Manganese	2.26	ug/L	1.1	4.2
Nickel	0.751	ug/L	0.43	1.1
Potassium	9,035	ug/L	5,500	15,000
Selenium	2.23	ug/L	0.6	5.2
Sodium	31,154	ug/L	13,000	89,000
Strontium	269	ug/L	220	370
Vanadium	0.339	ug/L	0.3	0.39
Zinc	16.4	ug/L	7	63

Start Date: 01 Jan 2019
 End Date: 31 Dec 2019

DRINKING WATER ANALYSIS SUMMARY
 Voluntary Monitoring - Detected Contaminants

System: MCAS New River
 PWSID: 04-67-042

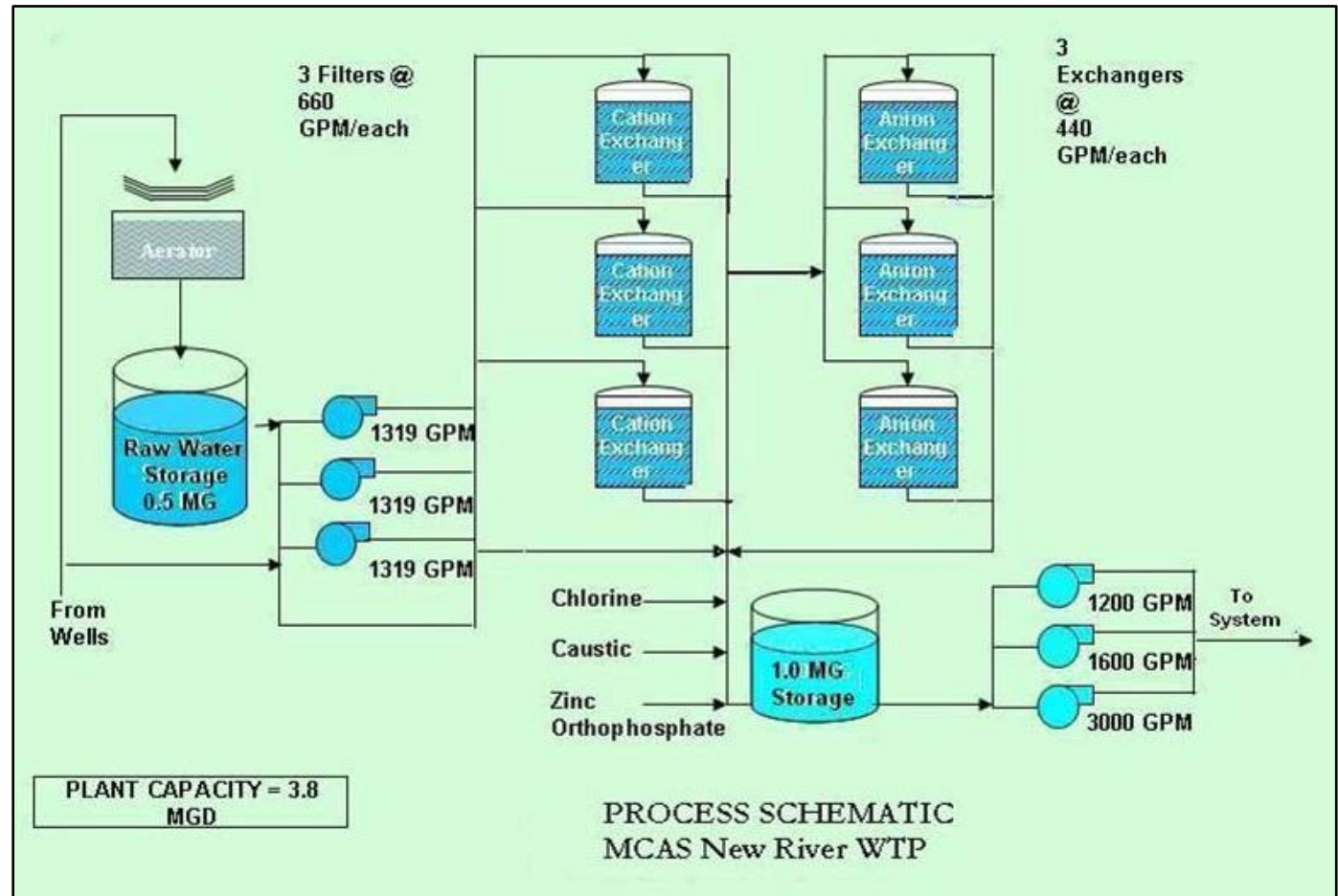
PFAS				
Perfluorohexanoic Acid	0.00104	ug/L	0.00103	0.00105
Synthetic Organic Contaminants				
Alachlor	0.048	ug/L	Only Detection	
Atrazine	0.027	ug/L	Only Detection	
Butachlor	0.074	ug/L	Only Detection	
Chlordane	0.0141	ug/L	0.0084	0.021
Di(2-ethylhexyl)adipate	0.85	ug/L	0.7	1
Di(2-ethylhexyl)phthalate	1.16	ug/L	0.78	3.3
Dieldrin	0.15	ug/L	Only Detection	
Heptachlor	0.06	ug/L	Only Detection	
Hexachlorocyclopentadiene	0.23	ug/L	Only Detection	
Methoxychlor	0.091	ug/L	Only Detection	
Metolachlor	0.036	ug/L	Only Detection	
Metribuzin	0.035	ug/L	Only Detection	
Propachlor	0.050	ug/L	Only Detection	
Simazine	0.057	ug/L	Only Detection	
Total Organic Carbon				
Total Organic Carbon	2663	ug/L	1500	4300
Volatile Organic Contaminants				
No Detections				

* Average amount of all detections

NOTE - This database contains information about MCB Camp Lejeune's drinking water distribution systems and raw water supply. It was developed only to assist the Base in managing and maintaining analytical data concerning chemicals detected in drinking water. While EMD has made every effort to ensure the completeness and accuracy of the database, some errors and omissions may remain. Therefore, the user should always refer to the original report to ensure maximum accuracy and completeness.

MCAS New River Water Treatment Process

Groundwater is pumped from the drinking water supply wells to a water reservoir located at the MCAS New River Water Treatment Plant. Water is pumped to the top of the reservoir and cascades down providing aeration. This water is then pumped to a series of cation and anion exchangers (softeners) to remove particles. Chlorine, caustic and zinc orthophosphate are added to the water before it enters the finished water reservoir. When water is needed by customers, it is pumped from the reservoir and distributed throughout the MCAS New River Community water system.





SOURCE WATER ASSESSMENT PROGRAM (SWAP) RESULTS

The North Carolina Department of Environmental Quality (NCDEQ), Public Water Supply Section (PWSS), Source Water Assessment Program (SWAP) conducted assessments for all drinking water sources across North Carolina. The purpose of the assessments was to determine the susceptibility of each drinking water source (well or surface water intake) to Potential Contaminant Sources (PCSs). The results of the assessment are available in SWAP reports that include maps, background information, and a relative susceptibility rating of Higher, Moderate or Lower. The relative susceptibility rating of each source for the MCAS New River Water Treatment System was determined by combining the contaminant rating (number and location of PCSs within the assessment area) and inherent vulnerability rating (i.e., characteristics or existing conditions of the well or watershed and its delineated assessment area). The assessment findings based on the SWAP report completed on 24 April 2017 are summarized in the table below:

MCAS New River Drinking Water Supply Wells	
Source Name	Susceptibility Rating
VL 101	Moderate
VL 102	Moderate
VL 103	Moderate
VL 104	Lower
VL 105	Lower
VL 106	Moderate
VL 107	Moderate
VL 109	Lower

It is important to understand that a susceptibility rating of “higher” does not imply poor water quality, only the system’s potential to become contaminated by PCSs in the assessment area.

The complete SWAP report for the MCAS New River Water Treatment System may be viewed on the web at <http://www.ncwater.org/?page=600>. In order to access this report you will need to enter either the system name or PWS ID. Both have been provided below. Please note that because SWAP results and reports are periodically updated by the PWS Section, the results available on this website may differ from the results that were available at the time this report was prepared.

System Name: USMC Lejeune--New River Air St

PWS ID: 0467042



WATER CONSERVATION

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? You can play a role in conserving water by becoming conscious of the amount of water your household is using and by looking for ways to use less whenever possible. It is not hard to conserve water. Small changes can make a big difference. Here are a few tips:

- Take short showers – a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Check every faucet in your home for leaks. Just a slow drip can waste 15-20 gallons a day.
- Check your toilets for leaks by putting a few drops of food coloring in the tank. Watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from an invisible toilet leak.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Water plants only when necessary and adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- Don't run the hose while washing your car. Use a bucket of water and a quick hose rinse at the end or wash vehicles at a carwash that recycles its water. Saves 150 gallons each time.

Teach your kids about water conservation to ensure a future generation that uses water wisely.

Visit www.epa.gov/watersense for more information.

Remember, when you conserve water you also conserve energy!

