

2015 Testing results for Consumer Confidence Report for the Town of Mayodan Water Plant

Total Coliform Bacteria: No Violation - Non-Detect

Turbidity: No Violation

Results 0.02 - 0.1 NTU. Our yearly average is 0.03 NTU

2013 test date

Lead: Non Detect

Copper: 0.0052 mg/l – 0.15 mg/l

TTHM: No Violation, level detected 17 – 87 (45.8 avg.) ppb

HAA5: No Violation, level detected 17 – 65 (40.3 avg.) ppb

Disinfection By-Product Precursor Contaminants: Jan.—Dec. 2015

*Our water system used ACC 1 as the method used to comply with d/DBP treatment
technique requirements

Contaminant (units)	Sample Date	MCL/TT Violation Y/N	Your Water TOC AVG	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Total Organic Carbon (ppm) (TOCs)-RAW	2015	N	1.79	>1.0	- 3.5	N/A	TT	Naturally present in the environment
Total Organic Carbon (ppm) (TOCs)-TREATED	2015	N	ND	ND	-1.3	N/A	TT	Naturally present in the environment

Note: Depending on the TOC and Alkalinity in our source water the system MUST have a certain % removal of TOC or must achieve alternative compliance criteria. If we do not achieve that % removal there is an "alternative % removal". If we fail to meet that, we are in violation of a Treatment Technique. *Our source water alkalinity is 0 – 60 mg/l with a source water TOC of <2.0 mg/l. Our removal ratio is 100% for 3 quarters 1 quarter at 63%. **We have 90.8% avg. removal for 2015**

Unregulated Volatile Organic Chemicals Detected: January 2015

Barium .018 mg/l

Inorganic Contaminants Detected: January 2015

Sulfate ND mg/l proposed MCL is 500 mg/l.

Sodium: 10.2 mg/l.

Fluoride: 0.05 mg/l

Copper: 0.006 mg/l

Calcium: 4.8 mg/l

Magnesium: 1.8 mg/l

June 2013 Asbestos: Non Detect

Radioactive Contaminants: test date 2013 Non Detect

Pesticides and Synthetic Organic Chemical :(test date) 2015 Non Detect

All others Non Detect

Cryptosporidium: Test date March 2010 - February 2011

Our system monitored source water (Mayo River) for Cryptosporidium and found levels consistently below reporting level (1.0 oocysts/L). 3 out of 24 samples showed minimal detectable results of 0.1 oocysts/L. 21 out of 24 samples revealed non detectable results.

Water is a limited and valuable resource. Be Water Smart!
The sources of all drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. One source of contamination is from urban storm runoff. Help keep our water sources clean. The Town of Mayodan uses water from the Mayo River as its source for water. It is pumped to the Mayodan Water Treatment Facility where it goes through several treatment steps. First, raw water is mix with aluminum sulfate in a contact chamber which causes small particles to adhere to one another (coagulation). The particles are allowed to settle to the bottom of large settling basins (sedimentation). The water then flows through filters of carbon and sand to remove remaining small particles (filtration). Finally the water is disinfected to ensure that our water is safe to drink when it reaches the customers.

Source Water Assessment Program

The North Carolina Department of Environment and Natural Resources (DENR), Public Water Supply (PWS) Section, 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 Assessment 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 Town of Mayodan was determined by combining the contaminant rating (number and location of PCSs within the assessment area) and the inherent vulnerability rating (i.e., characteristics or existing conditions of the well or watershed and its delineated assessment area.). The assessment findings are summarized in the table below:

Susceptibility of Sources to Potential Contaminant Sources (PCSs)

Source Name	Susceptibility Rating
Mayo River	Moderate

The complete SWAP Assessment report for the Town of Mayodan may be viewed on the Web at: <http://www.deh.enr.state.nc.us/pws/swap> To obtain a printed copy of this report, please mail a written request to: Source Water Assessment Program – Report Request, 1634 Mail Service Center, Raleigh NC 27699-1634, or email request to swap@ncmail.net. Please indicate your system name, PWSID, and provide your name, mailing address and phone number. If you have any questions about the SWAP report please contact the Source Water Assessment staff by phone at 919-715-2633.

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