We are pleased to present to you this year's Annual Drinking Water Quality Report. This report is a snapshot of last year’s water quality. Included are details about your source(s) of water, what it contains, and how it compares to standards set by regulatory agencies. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water and to providing you with this information because informed customers are our best allies. If you have any questions about this report or concerning your water, please contact Brandon Brown at (910) 947-6315. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled Board of Commissioners meetings. They are held on the first and third Tuesdays of each month at 5:30 p.m. in the Commissioners’ Meeting Room, Second Floor- Historic Courthouse, Courthouse Circle, Carthage, North Carolina.

What EPA Wants You to Know

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

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

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. Moore County Public Utilities-Pinehurst is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human 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 by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; and 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, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

When You Turn on Your Tap, Consider the Source

Our water sources are ground water and purchase water. Our 17 wells draw from the Middendorf Aquifer. We purchase water from the Town of Aberdeen, which is fully treated ground water from the Black Creek Aquifer. We also purchase water from the Town of Aberdeen.
of Southern Pines, which is fully treated surface water from Drowning Creek. We also purchase water from the East Moore Water
District, which is fully treated surface water from the Cape Fear River. The following table lists well and interconnection locations.

<table>
<thead>
<tr>
<th>Water Source</th>
<th>Location</th>
<th>Water Source</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well 2A</td>
<td>McKenzie Rd. West</td>
<td>Well 17</td>
<td>Kahkwa Trail</td>
</tr>
<tr>
<td>Well 5A</td>
<td>Muster Branch Rd.</td>
<td>Well 18</td>
<td>Idlewild Rd.</td>
</tr>
<tr>
<td>Well 7</td>
<td>Brookhaven Rd.</td>
<td>Well 19</td>
<td>Linden Rd.</td>
</tr>
<tr>
<td>Well 9</td>
<td>Muster Branch Rd.</td>
<td>Well 20</td>
<td>Talladale Court</td>
</tr>
<tr>
<td>Well 10</td>
<td>Hillard Rd.</td>
<td>Well 21</td>
<td>Foxfire Rd.</td>
</tr>
<tr>
<td>Well 11</td>
<td>Monticello Dr.</td>
<td>Well 22</td>
<td>Short Rd.</td>
</tr>
<tr>
<td>Well 12</td>
<td>Diamondhead Dr. South</td>
<td>Well 23</td>
<td>Monticello Dr.</td>
</tr>
<tr>
<td>Well 13</td>
<td>Forest Lane</td>
<td>Town of So. Pines</td>
<td>Dr. Neal Rd.</td>
</tr>
<tr>
<td>Well 15</td>
<td>NC 5 Hwy.</td>
<td>Town of Aberdeen</td>
<td>Dawkins St.</td>
</tr>
<tr>
<td>Well 16</td>
<td>Diamondhead Dr. South</td>
<td>East Moore W.D.</td>
<td>McCaskill Rd.</td>
</tr>
</tbody>
</table>

Source Water Assessment Program (SWAP) Results

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 Moore County Public Utilities-Pinehurst 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:

<table>
<thead>
<tr>
<th>Source Name</th>
<th>Susceptibility Rating</th>
<th>SWAP Report Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well 2A</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 5A</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 7</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 9</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 10</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 11</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 12</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 13</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 15</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 16</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 17</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 18</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 19</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 20</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 21</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 22</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Well 23</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Town of Aberdeen</td>
<td>Moderate</td>
<td>April 21, 2017</td>
</tr>
<tr>
<td>Drowning Creek</td>
<td>Moderate</td>
<td>September 13, 2017</td>
</tr>
<tr>
<td>Cape Fear River</td>
<td>Moderate</td>
<td>August 31, 2017</td>
</tr>
</tbody>
</table>

The complete SWAP Assessment report for Moore County Public Utilities-Pinehurst, the Town of Aberdeen, the Town of Southern Pines and the East Moore Water District may be viewed on the Web at: [www.ncwater.org/pws/swap](http://www.ncwater.org/pws/swap). Note that because SWAP results and reports are periodically updated by the PWS Section, the results available on this web site may differ from the results that were available at the time this CCR was prepared. If you are unable to access your SWAP report on the web, you may mail a written request for a printed copy to: Source Water Assessment Program – Report Request, 1634 Mail Service Center, Raleigh, NC 27699-1634, or email requests to swap@ncdenr.gov. Please indicate your system name, number, and provide your 04/2018
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 919-707-9098.

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.

Violations that Your Water System Received for the Report Year

During 2017 or any compliance period that ended in 2017, MCPU-Pinehurst received no violations.

Water Quality Data Tables of Detected Contaminants

We routinely monitor for over 150 contaminants in your drinking water according to Federal and State laws. The table below lists all the drinking water contaminants that we detected in the last round of sampling for the particular contaminant group. The presence of contaminants does not necessarily indicate that water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 through December 31, 2017. The EPA and the State allow us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted.

Important Drinking Water Definitions:

**Action Level (AL)** - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Maximum Contaminant Level (MCL)** - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

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

**Maximum Residual Disinfection Level (MRDL)** – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfection Level Goal (MRDLG)** – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Nephelometric Turbidity Unit (NTU)** - Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

**Not-Applicable (N/A)** – Information not applicable/not required for that particular water system or for that particular rule.

**Parts per million (ppm) or Milligrams per liter (mg/L)** - One part per million corresponds to one minute in two years or a single penny in $10,000.

**Parts per billion (ppb) or Micrograms per liter (ug/L)** - One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

**Picocuries per liter (pCi/L)** - Picocuries per liter is a measure of the radioactivity in water.

**Treatment Technique (TT)** - A required process intended to reduce the level of a contaminant in drinking water.

04/2018
### Inorganic Contaminants Tested by Town of Aberdeen 2017

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>MCL Violation Y/N</th>
<th>Your Water</th>
<th>Range Low</th>
<th>MCLG</th>
<th>MCL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoride (ppm)</td>
<td>2017</td>
<td>N</td>
<td>N/A</td>
<td>.24 – .65</td>
<td>4</td>
<td>4</td>
<td>Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.</td>
</tr>
</tbody>
</table>

Note: Water purchased from the Town of Aberdeen, Town of Southern Pines and East Moore Water District is fluoridated. Please contact Customer Service at 910-947-6315 to have the water at your home tested for fluoride by our staff.

### Nitrate Contaminants Tested by Moore County 2017

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>MCLViolation Y/N</th>
<th>Your Water</th>
<th>Range Low</th>
<th>MCLG</th>
<th>MCL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrate (as Nitrogen) (ppm)</td>
<td>N</td>
<td>N/A</td>
<td>&lt;1.0</td>
<td>1.73</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Nitrite (as Nitrogen) (ppm)</td>
<td>N</td>
<td>N/A</td>
<td>&lt;0.1</td>
<td>&lt; 0.1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

### Nitrate Contaminants Tested by the Town of Aberdeen 2017

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>MCLViolation Y/N</th>
<th>Your Water</th>
<th>Range Low</th>
<th>MCLG</th>
<th>MCL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrate (as Nitrogen) (ppm)</td>
<td>N</td>
<td>2.05</td>
<td>1.00</td>
<td>2.0</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Nitrite (as Nitrogen) (ppm)</td>
<td>N</td>
<td>N/A</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### Volatile Organic Chemical (VOC) Contaminants Tested by the Town of Aberdeen 2015

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>MCL Violation Y/N</th>
<th>Your Water</th>
<th>Range Low</th>
<th>MCLG</th>
<th>AL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1- Dichloroethylene (ppb)</td>
<td>4-13-15</td>
<td>N</td>
<td>.0006</td>
<td>.0006</td>
<td>7</td>
<td>7</td>
<td>Discharge from industrial chemical factory</td>
</tr>
<tr>
<td>Trichloroethene (ppb)</td>
<td>7-6-15 4-13-15</td>
<td>N</td>
<td>.0058</td>
<td>.0017-.0058</td>
<td>0</td>
<td>5</td>
<td>Discharge from metal degreasing sites and other factories</td>
</tr>
</tbody>
</table>

### Asbestos Tested by the Town of Aberdeen

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>MCL Violation Y/N</th>
<th>Your Water</th>
<th>Range Low</th>
<th>MCLG</th>
<th>AL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Asbestos (MFL)</td>
<td>2-2-11</td>
<td>N</td>
<td>0.019</td>
<td>0.019</td>
<td>7</td>
<td>7</td>
<td>Decay of asbestos cement water mains; erosion of natural deposits</td>
</tr>
</tbody>
</table>
**Turbidity* Tested by Town of Southern Pines in 2017**

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Treatment Technique (TT) Violation Y/N</th>
<th>Your Water</th>
<th>Treatment Technique (TT) Violation if:</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbidity (NTU) - Highest single turbidity measurement</td>
<td>N</td>
<td>0.15 NTU</td>
<td>Turbidity &gt; 1 NTU</td>
<td>Soil runoff</td>
</tr>
<tr>
<td>Turbidity (NTU) - Lowest monthly percentage (%) of samples meeting turbidity limits</td>
<td>N</td>
<td>100%</td>
<td>Less than 95% of monthly turbidity measurements are ≤ 0.3 NTU</td>
<td></td>
</tr>
</tbody>
</table>

*Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The turbidity rule requires that 95% or more of the monthly samples must be less than or equal to 0.3 NTU.

**Inorganic Contaminants Tested by Southern Pines in 2016**

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>MCL Violation Y/N</th>
<th>Max. Detected</th>
<th>Range Low - High</th>
<th>MCLG</th>
<th>MCL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoride (ppm)</td>
<td>1/2016-12/2016</td>
<td>N</td>
<td>1.0</td>
<td>1.0-0.5</td>
<td>4</td>
<td>4</td>
<td>Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories</td>
</tr>
</tbody>
</table>

**Lead and Copper Contaminants Tested by the Town of Aberdeen in 2015**

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>Your Water</th>
<th># of sites found above the AL</th>
<th>MCLG</th>
<th>AL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (ppm) (90th percentile)</td>
<td>7-27-15</td>
<td>0.325</td>
<td>1</td>
<td>1.3</td>
<td>AL=1.3</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
</tr>
<tr>
<td>Lead (ppb) (90th percentile)</td>
<td>7-10-15</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>AL=15</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
</tr>
</tbody>
</table>

**Lead and Copper Contaminants Tested by Southern Pines in 2015**

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>Your Water</th>
<th># of sites found above the AL</th>
<th>MCLG</th>
<th>AL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (ppm) (90th percentile)</td>
<td>9-2015</td>
<td>0.109</td>
<td>0</td>
<td>1.3</td>
<td>AL=1.3</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
</tr>
<tr>
<td>Lead (ppb) (90th percentile)</td>
<td>9/2015</td>
<td>&lt;3</td>
<td>0</td>
<td>0</td>
<td>AL=15</td>
<td>Corrosion of household plumbing systems, erosion of natural deposits</td>
</tr>
</tbody>
</table>

**Lead and Copper Contaminants Tested by Moore County in 2015**

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>Your Water</th>
<th># of sites found above the AL</th>
<th>MCLG</th>
<th>AL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (ppm) (90th percentile)</td>
<td>9-2015</td>
<td>0.041</td>
<td>0</td>
<td>1.3</td>
<td>AL=1.3</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
</tr>
<tr>
<td>Lead (ppb) (90th percentile)</td>
<td>9/2015</td>
<td>&lt;3</td>
<td>0</td>
<td>0</td>
<td>AL=15</td>
<td>Corrosion of household plumbing systems, erosion of natural deposits</td>
</tr>
</tbody>
</table>

**Total Organic Carbon (TOC) Tested by Southern Pines in 2016**

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>TT Violation Y/N</th>
<th>Your Water (RAA Removal Ratio)</th>
<th>Range Monthly Removal Ratio Low - High</th>
<th>MCLG</th>
<th>TT</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Organic Carbon (removal ratio) (TOC)-TREATED</td>
<td>N</td>
<td>1.42</td>
<td>1.17-1.65</td>
<td>N/A</td>
<td>TT</td>
<td>Naturally present in the environment</td>
</tr>
</tbody>
</table>

04/2018
### Lead and Copper Contaminants Tested by Harnett County 2016

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>Your Water</th>
<th># of sites found above the AL</th>
<th>MCLG</th>
<th>AL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (ppm) (90th percentile)</td>
<td>8-2016</td>
<td>0.155</td>
<td>0</td>
<td>1.3</td>
<td>AL=1.3</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
</tr>
<tr>
<td>Lead (ppb) (90th percentile)</td>
<td>8-2016</td>
<td>&lt;3</td>
<td>0</td>
<td>0</td>
<td>AL=15</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
</tr>
</tbody>
</table>

### Radioactive Contaminants Tested by Moore County 2016

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>MCL Violation Y/N</th>
<th>Your Water</th>
<th>MCLG</th>
<th>MCL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha emitters (pCi/L)</td>
<td>2016</td>
<td>N</td>
<td>5.1</td>
<td>0</td>
<td>15</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Beta/photon emitters (pCi/L)</td>
<td>2016</td>
<td>N</td>
<td>N/D</td>
<td>0</td>
<td>50 *</td>
<td>Decay of natural and man-made deposits</td>
</tr>
<tr>
<td>Combined radium (pCi/L)</td>
<td>2016</td>
<td>N</td>
<td>2.9</td>
<td>0</td>
<td>5</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Uranium (pCi/L)</td>
<td>2016</td>
<td>N</td>
<td>N/D</td>
<td>0</td>
<td>20.1</td>
<td>Erosion of natural deposits</td>
</tr>
</tbody>
</table>

*Note: The MCL for beta/photon emitters is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles.

### Radioactive Contaminants Tested by Aberdeen 2017

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>MCL Violation Y/N</th>
<th>Your Water</th>
<th>MCLG</th>
<th>MCL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha emitters (pCi/L)</td>
<td>8/28/17 - 10/9/17</td>
<td>N</td>
<td>.9</td>
<td>0</td>
<td>15</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Combined radium (pCi/L)</td>
<td>8/28/17</td>
<td>N</td>
<td>2.0</td>
<td>0</td>
<td>5</td>
<td>Erosion of natural deposits</td>
</tr>
</tbody>
</table>

*Note: The MCL for beta/photon emitters is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles

### Disinfection and Disinfection Byproducts – Tested in 2017 by Moore County

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>MCL/MRDL Violation Y/N</th>
<th>Your Water RAA (Stage1)</th>
<th>Range Low High</th>
<th>MCLG</th>
<th>MCL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTHM (ppb) [Total Trihalomethanes]</td>
<td>N</td>
<td>9</td>
<td>09 – 13</td>
<td>N/A</td>
<td>80</td>
<td>By-product of drinking water chlorination</td>
</tr>
<tr>
<td>HAA5 (ppb) [Total Haloacetic Acids]</td>
<td>N</td>
<td>27</td>
<td>21 - 28</td>
<td>N/A</td>
<td>60</td>
<td>By-product of drinking water disinfection</td>
</tr>
<tr>
<td>Chloramines (ppm)</td>
<td>N</td>
<td>1.6</td>
<td>.5-2.68</td>
<td>MRDLG = 4</td>
<td>MRDL = 4</td>
<td>Water additive used to control microbes</td>
</tr>
<tr>
<td>Chlorine (ppm)</td>
<td>N</td>
<td>1.33</td>
<td>.42-2.43</td>
<td>MRDLG = 4</td>
<td>MRDL = 4</td>
<td>Water additive used to control microbes</td>
</tr>
</tbody>
</table>

The PWS Section requires monitoring for other miscellaneous contaminants, some for which the EPA has set national secondary drinking water standards (SMCLs) because they may cause cosmetic effects or aesthetic effects (such as taste, odor, and/or color) in drinking water. The contaminants with SMCLs normally do not have any health effects and normally do not affect the safety of your water.
Other Miscellaneous Water Characteristics Contaminants – Tested by Purchase Systems (range) and Moore County (your water)

<table>
<thead>
<tr>
<th>Contaminant (units)</th>
<th>Sample Date</th>
<th>Your Water</th>
<th>Range Low/High</th>
<th>SMCL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfate (ppm)</td>
<td>1/4/2017</td>
<td>45.4</td>
<td>N/A</td>
<td>250 mg/l</td>
</tr>
<tr>
<td>Sodium (ppm)</td>
<td>1/4/2017</td>
<td>34.6</td>
<td>9.690-33.925</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>1/4/2017</td>
<td>7.0</td>
<td>6.90 - 7.9</td>
<td>6.5 to 8.5</td>
</tr>
</tbody>
</table>

UCMR Monitoring Harnett County 2014/15

<table>
<thead>
<tr>
<th>UCMR Monitoring Harnett County 2014/15</th>
<th>Sample Date</th>
<th>Result(ppb)/Range Low/High</th>
<th>MRL</th>
<th>SMCL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molybdenium</td>
<td>9-25-14</td>
<td>1.0 ppb 1 ppb</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Strontium</td>
<td>3-24-15</td>
<td>47 0.3</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Vanadium</td>
<td>9-26-14</td>
<td>0.02-0.03 0.2</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Chromium, Hexavalent</td>
<td>3-23-15</td>
<td>0.04 0.03</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Chlorate</td>
<td>3-24-15</td>
<td>290 20</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>1,4 Dioxane</td>
<td>1-4-15</td>
<td>4.8 ppb 0.07</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Perfluorohexanoic acid (PFHpA)</td>
<td>9-27-14</td>
<td>0.04 ppb 0.01</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Perfluorooctanoic acid (PFOA)</td>
<td>9-27-14</td>
<td>0.02 ppb 0.02</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>