2017 CONSUMER CONFIDENCE REPORT
NAVAL WEAPONS STATION YORKTOWN –
CHEATHAM ANNEX
YORK COUNTY, VIRGINIA

PREPARED BY:
Naval Facilities Engineering Command (NAVFAC) Mid-Atlantic
Naval Weapons Station Yorktown Public Works Department
Environmental Branch, Installation Water Program

160 Main Road
Building 16
Yorktown, Virginia 23691-0210
Naval Weapons Station Yorktown (NWSY) – Cheatham Annex (CAX) is committed to providing you drinking water that is safe and reliable. NWSY believes that providing you with accurate information about your water is the best way to assure you that your water is safe. **There were no drinking water violations to report for 2017.**

This Consumer Confidence Report is a snapshot of the quality of your drinking water in 2017. The purpose of this annual report is to advise consumers of where their water comes from, provide water quality data, advance understanding of drinking water, and heighten awareness to conserve water resources.

**DRINKING WATER SOURCES AND TREATMENT**

NWSY–CAX waterworks purchases its drinking water from the Newport News Waterworks system, which is owned and operated by the City of Newport News. Surface water from the Chickahominy River provides the primary source of your drinking water. This water is stored in five reservoirs owned and operated by Newport News Waterworks and supplied to two water treatment facilities, the Lee Hall Water Treatment Plant and the Harwood’s Mill Water Treatment Plant. Groundwater wells located at Lee Hall provide a secondary source of water that is treated separately and mixed with treated surface water from the Lee Hall Water Treatment Plant. NWSY waterworks receives the finish water from both Lee Hall and Hardwood’s Mill Water Treatment Plants.

Untreated water is pumped to the treatment plants, where it passes through screens to remove large debris. Aluminum sulfate and polymer are chemicals added to the water to cause small particles to cling together in a process called coagulation, making the particles easier to remove. Once the water becomes clear, it is disinfected with ozone (primary disinfection). Disinfection kills microorganisms such as bacteria and viruses. The water is then sent through filters to remove any remaining particles. Lime is added to adjust the pH, fluoride is added to prevent tooth decay in children, and zinc orthophosphate is added to control corrosion inside the distribution system piping. The brackish groundwater from deep wells is treated using a reverse osmosis process where the brackish groundwater is forced by high pressure through membranes that can remove the salt and most other contaminants. After the surface water and brackish groundwater are treated, they are blended together and distributed to customers in the service area.

According to the Hampton Roads Planning District Commission’s 2001-02 Source Water Assessment, the Newport News surface water sources were rated as relatively high in susceptibility to contamination (which is one reason why water treatment is so important), while the deep groundwater wells were rated as low in susceptibility using the criteria developed by the state in its approved Source Water Assessment Program. The assessment report includes maps showing the source water assessment area, an inventory of known land-use activities, a susceptibility explanation chart, and definitions of key terms. The report is available by contacting Newport News Waterworks, the Virginia Department of Health, or the Hampton Roads Planning District Commission.

**ABOUT DRINKING WATER**

All 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 radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Substances that may be present in source water include:

- **Microbial**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- **Inorganic**, 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.
ABOUT DRINKING WATER (continued)

- **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**, which can be naturally occurring or be the result of oil and gas production and mining activities.

All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency’s (EPA) Safe Drinking Water Hotline (800-426-4791).

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. The Food and Drug Administration (FDA) establishes limits for contaminants in bottled water, which must provide the same protection for public health.

**Who needs to take special precautions?**

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 systems 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.

Kidney dialysis patients should consult with their health care providers or dialysis centers in order to take special precautions when using chloraminated water. Fish owners should be sure chloramines are removed from the water before it is used in aquariums or ponds. Most pet stores sell water conditioners for chloraminated water.

NWSY is responsible for providing high quality drinking water, but cannot control the variety of materials, such as the lead and copper used in plumbing components associated with service lines and buildings. If present, elevated levels of *lead* can cause serious health problems, especially for pregnant women and young children. *Copper* is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson’s Disease should consult their personal doctor.

When your water has been sitting for several hours, you can minimize the potential for lead and copper exposure by flushing your tap for 30 seconds to 2 minutes or until it becomes cold or reaches a steady temperature before using water for drinking or cooking. Faucet aerators should also be periodically cleaned to remove debris and particulates from the water line. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure are available from the Safe Drinking Water Hotline at [https://www.epa.gov/ground-water-and-drinking-water/safe-drinking-water-hotline](https://www.epa.gov/ground-water-and-drinking-water/safe-drinking-water-hotline).

**DEFINITIONS AND ABBREVIATIONS**

Contaminants in your drinking water are routinely monitored according to federal and state regulations. The table on the following pages shows the results of monitoring for 2017. In the tables and elsewhere in this report you may find many terms and abbreviations which you are not familiar. The following definitions are provided to help you better understand these terms:

- **Action Level (AL)** – The concentration of a contaminant that, if exceeded, triggers treatment or other requirements which a water system must follow. For lead and copper monitoring, compliance is based on the 90th percentile value.
- **Level 1 Assessment** – A Level 1 assessment is a study of the waterworks to identify potential problems and determine, if possible, why total coliform bacteria have been found in our waterworks.
- **Level 2 Assessment** – A level 2 assessment is a very detailed study of the waterworks to identify potential problems and determine, if possible, why an *E. Coli* PMCL violation has occurred and why total coliform bacteria have been found in our waterworks on multiple occasions.
- **Maximum Contaminant Level (MCL)** – The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to 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 Disinfectant Level (MRDL)** – The highest level of a disinfectant allowed in drinking water based on running annual average. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants. For chlorine and chloramines, a waterworks is in compliance with the MRDL when the running annual average of monthly averages of samples taken in the distribution system, computed quarterly, is less than or equal to the MRDL.
- **Maximum Residual Disinfectant Level Goal (MRDGL)** – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDGLs do not reflect the benefits of the use of disinfectants to control microbial contamination.
- **NA** – Not applicable
- **Nephelometric Turbidity Unit (NTU)** – A measure of the clarity, or cloudiness, of water. Turbidity in excess of 5 NTU is just noticeable to the average person. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.
- **Non-detection (ND)** – Laboratory analysis indicates that the contaminant is not present.
- **Picocuries per liter (pCi/L)** – A measure of the radioactivity in water.
- **Parts per million (ppm) or Milligrams per liter (mg/L)** – A measurement of the amount of contaminant per unit of water. A part per million is one cent in $10,000 or one minute in two years.
- **Parts per billion (ppb) or Micrograms per liter (µg/L)** – A measurement of the amount of contaminant per unit of water. A part per billion is like one cent in $10,000,000 or one minute in 2,000 years.
- **Secondary Maximum Contaminant Level (SMCL)** – Non-enforceable standard that is established for aesthetic considerations.
- **Treatment Technique (TT)** – A required process intended to reduce the level of a contaminant in drinking water.
**WATER QUALITY DATA**

The tables below list only those contaminants that were present in your drinking water at levels detectable by laboratory equipment. Unless otherwise noted, the data presented in these tables is from testing done from 2014 through 2017. We are required to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. The EPA sets the Maximum Contaminant Levels (MCLs) and the Maximum Contaminant Level Goals (MCLGs) as listed in the tables. The Regulated Substances Table and the Unregulated Substances Table are provided for your information and as required by the Consumer Confidence Rule.

### 2016/2017 NEWPORT NEWS WATER QUALITY INFO (TREATMENT PLANT SAMPLES)

<table>
<thead>
<tr>
<th>Regulated Substances</th>
<th>Unit</th>
<th>MCLG</th>
<th>MCL</th>
<th>Highest Level</th>
<th>Range</th>
<th>Meets EPA Standard?</th>
<th>Likely Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium (2017)</td>
<td>ppm</td>
<td>2</td>
<td>2</td>
<td>0.022</td>
<td>0.019–0.022</td>
<td>YES</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Fluoride (2017)</td>
<td>ppm</td>
<td>4</td>
<td>4</td>
<td>0.89</td>
<td>0.84–0.89</td>
<td>YES</td>
<td>Added for the prevention of tooth decay</td>
</tr>
<tr>
<td>Nitrate (2017)</td>
<td>ppm</td>
<td>10</td>
<td>10</td>
<td>0.111</td>
<td>0.044–0.111</td>
<td>YES</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Nitrite (2017)</td>
<td>ppm</td>
<td>1</td>
<td>1</td>
<td>0.001</td>
<td>0.001–0.001</td>
<td>YES</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Total Organic Carbon (TOC)</td>
<td>Removal ratio</td>
<td>NA</td>
<td>TT</td>
<td>1.17&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1.08–1.55&lt;sup&gt;1&lt;/sup&gt;</td>
<td>YES</td>
<td>Occurs naturally in environment</td>
</tr>
<tr>
<td>Turbidity (2017)</td>
<td>NTU</td>
<td>none</td>
<td>TT</td>
<td>0.14&lt;sup&gt;2&lt;/sup&gt;</td>
<td>0.02–0.14</td>
<td>YES</td>
<td>Soil runoff</td>
</tr>
<tr>
<td>Radium 228 (2016)</td>
<td>pCi/L</td>
<td>5</td>
<td>0</td>
<td>0.6</td>
<td>&lt;0.6–0.6</td>
<td>YES</td>
<td>Erosion of natural deposits</td>
</tr>
<tr>
<td>Beta Emitters (2016)</td>
<td>pCi/L</td>
<td>4</td>
<td>0</td>
<td>2.5</td>
<td>1.4–2.5</td>
<td>YES</td>
<td>Decay of natural &amp; man-made deposits</td>
</tr>
</tbody>
</table>

### 2016/2017 NAVAL WEAPONS STATION YORKTOWN – CHEATHAM ANNEX WATER QUALITY INFO (NWSY – CAX DISTRIBUTION SYSTEM SAMPLES)

<table>
<thead>
<tr>
<th>2016-2017 Disinfection By Products (DBP)</th>
<th>Unit</th>
<th>MRDLG</th>
<th>MRDL</th>
<th>Highest Level&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Range (Individual Results)</th>
<th>Meets EPA Standard?</th>
<th>Likely Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAA(5) (Haloacetic Acids)</td>
<td>ppb</td>
<td>0</td>
<td>60</td>
<td>ND</td>
<td>ND-ND</td>
<td>YES</td>
<td>Drinking water disinfectant by-product</td>
</tr>
<tr>
<td>Total THM (Trihalomethanes)</td>
<td>ppb</td>
<td>0</td>
<td>80</td>
<td>7.8</td>
<td>3.0–11.1</td>
<td>YES</td>
<td>Drinking water disinfectant by-product</td>
</tr>
<tr>
<td>Total Chlorine (Chloramines)</td>
<td>ppm</td>
<td>4.0</td>
<td>0.2</td>
<td>ND–0.3</td>
<td>0–2.1</td>
<td>YES</td>
<td>Drinking water disinfectant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2017 Microbial Contaminants</th>
<th>MCLG</th>
<th>MCL</th>
<th>Meets EPA Standard?</th>
<th>Likely Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Coliform</td>
<td>NA</td>
<td>TT</td>
<td>Yes</td>
<td>Naturally present in soil and vegetation</td>
</tr>
<tr>
<td>E. Coli</td>
<td>0</td>
<td>*</td>
<td>Yes</td>
<td>Human and animal fecal waste</td>
</tr>
</tbody>
</table>

<sup>*</sup> Effective April 1, 2016. The Revised Total Coliform Rule established the following Primary Maximum Contaminant Level (PMCL): In compliance unless (i) the waterworks has an E. coli-positive repeat sample following a total coliform-positive routine sample; (ii) the waterworks has a total coliform-positive repeat sample following an E. coli-positive routine sample; (iii) the waterworks owner fails to take all required repeat samples following an E. coli-positive routine sample; or (iv) the waterworks owner fails to test for E. coli when any repeat sample tests positive for total coliform.

<table>
<thead>
<tr>
<th>2016 Lead and Copper Monitoring</th>
<th>Unit</th>
<th>MCLG</th>
<th>AL</th>
<th>Samples Above AL</th>
<th>90&lt;sup&gt;th&lt;/sup&gt; Percentile</th>
<th>Range</th>
<th>Meets EPA Standard?</th>
<th>Likely Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>ppm</td>
<td>1.3</td>
<td>1.3</td>
<td>0</td>
<td>0.86&lt;sup&gt;4&lt;/sup&gt;</td>
<td>0.01–1.24</td>
<td>YES</td>
<td>Corrosion of household plumbing</td>
</tr>
<tr>
<td>Lead</td>
<td>ppp</td>
<td>15</td>
<td>15</td>
<td>0</td>
<td>7.0&lt;sup&gt;4&lt;/sup&gt;</td>
<td>ND–13</td>
<td>YES</td>
<td>Corrosion of galvanized pipes</td>
</tr>
</tbody>
</table>

<sup>(1)</sup> Compliance is based on a running four-quarter average. The range is the individual monthly ratio from both water treatment plants. TOC has no adverse health effects, but can be a critical component in the formation of disinfection by-products. The result reported is the lowest level found. The data in the table include samples from 2016. The range is for samples taken in 2017.

<sup>(2)</sup> Turbidity is a measure of water cloudiness. It is a good indicator of the effectiveness of our filtration system. 100% of samples were within the turbidity limit.

<sup>(3)</sup> The highest level of TTHM or HAAS is the highest of the four locational running annual averages over the period of 4/1/2016-12/31/2017. The range of TTHM or HAAS is the lowest and the highest concentrations in the individual samples collected in 2017. The highest level of chloramines is the highest of the four running annual averages of chloramines from 4/1/2016 through 12/31/2017. The range of chloramines is the lowest and the highest of the individual chloramines measured in 2017.

<sup>(4)</sup> At least 90% of the samples were at or below this level. None of the individual samples exceeded the Action Level. NWSY only tests for copper and lead every three years.
### ADDITIONAL 2014/2017 NEWPORT NEWS WATER QUALITY TESTING RESULTS

#### UNREGULATED SUBSTANCES (NEWPORT NEWS WATERWORKS)

<table>
<thead>
<tr>
<th>2017 Unregulated Organics</th>
<th>Unit</th>
<th>MRL</th>
<th>Average Level</th>
<th>Range</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloroform</td>
<td>ppb</td>
<td>NA</td>
<td>4.3</td>
<td>2.6–6.0</td>
<td>By-product of chlorination</td>
</tr>
<tr>
<td>Dichloro-bromomethane</td>
<td>ppb</td>
<td>NA</td>
<td>2.3</td>
<td>1.7–2.9</td>
<td>By-product of chlorination</td>
</tr>
<tr>
<td>Dibromo-chloromethane</td>
<td>ppb</td>
<td>NA</td>
<td>0.6</td>
<td>0.6–0.7</td>
<td>By-product of chlorination</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2014 Unregulated Contaminant Monitoring Regulation (UCMR) 35</th>
<th>Unit</th>
<th>Average Level</th>
<th>Range</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorate</td>
<td>ppb</td>
<td>20</td>
<td>177</td>
<td>ND–550  Agricultural defoliant or desiccant; disinfectant by-product; and used in production of chlorine dioxide</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>ppb</td>
<td>0.2</td>
<td>0.2</td>
<td>ND–0.74 Naturally occurring, used in industry and can be discharged by industrial facilities. Total Chromium is the sum of chromium in all its valence states.</td>
</tr>
<tr>
<td>Hexavalent Chromium Cr-6 (dissolved)</td>
<td>ppb</td>
<td>0.030</td>
<td>0.088</td>
<td>0.044–0.180 Naturally occurring. Used in making steel and other alloys. A new EPA risk assessment, not finalized yet, has raised concerns about the risk to human health.</td>
</tr>
<tr>
<td>Strontium</td>
<td>ppb</td>
<td>0.3</td>
<td>130</td>
<td>90–200 Naturally occurring. Has been used commercially to produce color TV tubes. It also blocks x-ray emissions.</td>
</tr>
<tr>
<td>Vanadium</td>
<td>ppb</td>
<td>0.2</td>
<td>0.71</td>
<td>0.49–1.00 Naturally occurring. Is used as an additive to steel to make engine parts and tools.</td>
</tr>
</tbody>
</table>

(5) This monitoring provides a basis for future regulatory actions to protect public health. MRL is the UCMR Minimum Reporting Level. The expanded version of the Newport News Waterworks’ 2017 Consumer Confidence Report, featuring additional test results, is available online at [www.nnva.gov/waterqualityreport](http://www.nnva.gov/waterqualityreport).

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### CRYPTOSPORIDIUM

Cryptosporidium is a microbial pathogen found in surface water throughout the United States. Although filtration removes cryptosporidium, it cannot guarantee 100 percent removal. Newport News Waterworks’ 2017 monitoring indicates the presence of these organisms at very low levels (ND-0.082 oocysts/liter) in the source water but not in the treated water. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of Cryptosporidium may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immuno-compromised people, infants and small children, and the elderly are at greater risk of developing life threatening illness. We encourage immuno-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. EPA and the Center for Disease Control (CDC) guidelines on the appropriate means to lessen the risk of infection are available from the Safe Drinking Water Hotline at 800-426-4791.

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### SOURCE WATER PROTECTION TIPS

Generally speaking, the sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and groundwater supply wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and radioactive material and can pick up substances resulting from the presence of animals or from human activity.

Protection of drinking water is everyone’s responsibility. You can help protect your community’s drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides.
- Pick up after your pets.
- Dispose of chemicals properly. Take used motor oil or household chemicals to an appropriate recycling or turn in center.
- Volunteer or get involved with a watershed protection organization.

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### WATER CONSERVATION TIPS

NWSY–CAX consumed approximately 61 million gallons of water in 2017, with an average of approximately 5 million gallons of water per month, and approximately 188,000 gallons per day. We can all do our part to start conserving water to ensure a reliable source for the future. Some simple tips to conserve water include, but aren’t limited to:

- Take short showers - a 5-minute shower with a low-flow showerhead only uses 4 to 5 gallons of water.
- Shut off water while brushing your teeth, washing your hair, and shaving.
- Run your clothes washer and dishwasher only when they are full.
- Restrict outdoor watering to only when necessary.
- Retrofit older showerheads, faucets, toilets, and other appurtenances to newer low-flow technologies.
- Establish water conservation goals.
- Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.
COMMON DRINKING WATER QUESTIONS

“Why is my water a stained color or cloudy?” One of the most common questions received about the drinking water on military installations is for discolored water. This is especially common in buildings, housing, and cabins that may be unoccupied for extended periods of time or when there is maintenance on installation waterlines. A red, brown, orange, or yellow staining is typically due to rust (oxidized iron) particles that break free from sediment inside of corroded iron or steel pipes. On its own, rust in water is not a sign of harmful bacteria or lead. In fact, the limits set by the EPA for iron in drinking water are based on primarily on aesthetics (taste, odor, color) and not health and safety concerns. Though discolored or rusty water may look and taste unpleasant, and possibly stain sinks and clothing, it is typically not a health concern. The problem is usually in the house or building piping (not the water supply) if rust appears only in hot water, comes only from certain faucets, or clears after running for a short time. If the water does not clear after running continuously for several minutes, please notify the tenant command for the building so they can contact the Facility Management Specialist.

Milky white or cloudy water is usually caused by tiny air bubbles. If your water is white, fill a clear glass with water and set it on the counter. If the water starts to clear from the bottom of the glass up, then the cloudy or white appearance is trapped air. It is not a health threat and should clear in a few minutes.

“My water doesn’t taste/smell right.” Treated water may occasionally have a bleach, chemical, or medicinal odor to it. Odors resulting from the addition of chlorine/chloramine in the water treatment process usually go away if the water is exposed to air for several minutes.

A sulfur, sewage, musty, or moldy odor: These odors are more typically produced from decaying material in the sink drains and not the actual water. Ensure that both the cold and hot water have the smell and check other faucets to see if the smell is consistent throughout the building/house. Fill a glass with water from the sink that has the smell, then step away from the sink and swirl the water around inside the glass few times. If the problem is in the drain, the tap water in the glass should not have an odor. If the smell is coming from the hot water only, it may be an indication that there is a problem with the hot water heater and you should notify the housing office or the assigned building FMS.

If any other odors are detected, such as: gasoline, diesel, solvents, detergents, or any other sharp chemical odor, you should not use the water and notify the FMD and Installation Water Program Manager immediately, as these may be caused by less typical conditions and present a health threat.

“How hard is my water?” Water hardness is determined by the amount of dissolved minerals, primarily calcium and magnesium within the treated water. Hard water can reduce the effectiveness of soaps and detergents, leave behind scale and residues on shower heads and faucets, or films on dishes, but can also be of benefit to staying healthy. The National Research Council (National Academy of Sciences) reports that hard drinking water can contribute a small amount toward the total calcium and magnesium human dietary needs. There is no EPA standards for water hardness. Water treated by Newport News Waterworks is considered moderately hard at 4-6 grains which is equal to 70-120 mg/L as calcium carbonate or CaCO3. In 2017 the average was 81 mg/L with a range of 62-114.

“Is there fluoride in my water?” Fluoride is added to drinking water systems by Newport News Waterworks to help prevent tooth decay. According to the Centers for Disease Control, fluoride in water helps keeps teeth strong, reducing cavities and tooth decay by about 25% in children and adults. Many research studies have proven the safety and benefits of fluoride, and people in the United States have benefitting from drinking water with fluoride for over 60 years. Community water fluoridation is recommended by nearly all public health, medical, and dental organizations, including: the American Dental Association, American Academy of Pediatrics, US Public Health Service, and World Health Organization. Newport News Waterworks adheres to drinking water regulations set by the EPA and guidance provided by the Virginia Department of Health (VDH). VDH has adopted the recommendation of 0.7 mg/l, set by the United States Department of Health and Human Services, as the optimum level of fluoride concentration in drinking water.

If you have questions about your water, please contact the NAVFAC Naval Weapons Station Yorktown Public Works Department, Environmental Branch Installation Water Program Office at 757-887-4808.
VIOLATION INFORMATION
There were no drinking water violations at Naval Weapons Station Yorktown – Cheatham Annex to report for 2017.

ADDITIONAL INFORMATION
To access this report electronically, please visit the CNIC website at:

For additional information about the Newport News Waterworks and for the Newport News Waterworks Department 2017 Annual Water Quality Report, please visit the Newport News Waterworks website at:
https://www.nnva.gov/waterworks

THE CITY OF NEWPORT NEWS BOARD MEETINGS
Because Waterworks is a department of the City of Newport News, major decisions about your drinking water are made by Newport News City Council. They meet on the second and fourth Tuesdays of each month at 7:00 pm, and you are welcome to attend and participate. These meetings are broadcast live on the Newport News City Channel (in Newport News- Cox channel 48 and Verizon FIOS channel 19) and can be viewed live or on-demand on the web at www.nnva.gov/hntv.

NOTICIA EN ESPAÑOL
Este informe contiene información importante acera de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.