We're pleased to present to you our Annual Drinking Water Quality Report, also known as the Consumer Confidence Report. This report, a requirement of the 1996 amendments to the Safe Drinking Water Act, is designed to inform you about the quality water and services we deliver to you every day. 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.

**Water Source**

Our water source consists of two groundwater wells located on the property. The wells are designated as Production Well #4 and Production Well #5. The latter well was completed and added to our system in 1997 for additional supply. Our system serves a population of 92 year-round residents and approximately 200 staff. Our certified lab is Phoenix Environmental Laboratories, Inc.

Water from both wells pass through a pH adjustment system designed to reduce the water’s corrosivity. Over the past year, our system underwent routine maintenance. At this time, we do not have any projects scheduled in the near future. We currently do not have any regularly scheduled meetings, however, if you have any questions about this report or concerning your water system, please contact Andrew Donnelly of White Water, Inc. at 253 B Worcester Road, Charlton, MA 01507 or at 774-633-1223. We want our valued customers to be informed about their water system.

White Water, Inc. provides the Waterford Country School with contract operation services. The contract operation includes the services of a state certified operator who monitors the water system for compliance with all state and federal drinking water regulations. The operating contract also includes services such as making emergency repairs when needed, making recommendations for improving water quality and increasing system reliability.

**Source Water Protection**

Source water is untreated water from streams, rivers, lakes, or underground aquifers that is used to supply public drinking water. Preventing drinking water contamination at the source makes good public health sense, good economic sense, and good environmental sense. You can be aware of the challenges of keeping drinking water safe and take an active role in protecting drinking water. There are lots of ways that you can get involved in drinking water protection activities to prevent the contamination of the ground water source. Dispose properly of household chemicals, help clean up the watershed that is the source of your community’s water, attend public meetings to ensure that the community’s need for safe drinking water is considered in making decisions about land use. Contact our office for more information on source water protection, or contact the Environmental Protection Agency (EPA) at 1.800.426.4791. You may also find information on EPA’s website at [http://cfpub.epa.gov/safewater/sourcewater/](http://cfpub.epa.gov/safewater/sourcewater/).

A source water assessment report was recently completed by the Connecticut Department of Public Health, Drinking Water Division. The completed Assessment report is available for access on the Drinking Water Division’s web site: [http://www.ct.gov/dph/cwp/view.asp?a=3139&q=398262&dphNav_GID=1824](http://www.ct.gov/dph/cwp/view.asp?a=3139&q=398262&dphNav_GID=1824). The assessment found that this public drinking water source has a low to high susceptibility to potential sources of contamination. Additional source water assessment information can be found at the Environmental Protection Agency’s website: [http://cfpub.epa.gov/safewater/sourcewater/](http://cfpub.epa.gov/safewater/sourcewater/).
Water Quality
Waterford Country School, Inc. routinely monitors for contaminants in your drinking water according to Federal and State laws. The following table shows any detection resulting from our monitoring for the period of January 1 to December 31, 2017. It's important to remember that the presence of these contaminants does not necessarily pose a health risk.

The sources of drinking water include rivers, lakes, ponds 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 human or animal activity. All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. Contaminants that may be present in source water include:

**Microbial contaminants**, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

**Inorganic contaminants**, such as salts and metals, 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** 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, are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

**Radioactive contaminants** 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, U.S. Environmental Protection Agency (EPA) prescribes regulations which 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 which must provide the same protection for public health.

The table below lists all of the drinking water contaminants that were detected throughout water quality monitoring and testing. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk.

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Violation</th>
<th>Level Detected</th>
<th>Unit Measurement</th>
<th>MCLG</th>
<th>MCL</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Microbiological Contaminants</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Coliform Bacteria (2017)</td>
<td>N</td>
<td>Absent</td>
<td>Highest monthly # of positive samples Absent</td>
<td>1 positive</td>
<td>Naturally present in the environment</td>
<td></td>
</tr>
<tr>
<td>Turbidity (8/4/17)</td>
<td>N</td>
<td>1.83</td>
<td>ntu</td>
<td>n/a</td>
<td>TT</td>
<td>Soil runoff</td>
</tr>
<tr>
<td><strong>Inorganic Contaminants</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper* (8/4/17)</td>
<td>N</td>
<td>0.038 ppm</td>
<td>ppm</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* (8/4/17)</td>
<td>N</td>
<td>2.4 ppb</td>
<td>(single sample)</td>
<td>0</td>
<td>AL=15</td>
<td>Corrosion of household plumbing systems, erosion of natural deposits</td>
</tr>
<tr>
<td>Nitrate (as Nitrogen) (1/13/17)</td>
<td>N</td>
<td>1.23 ppm</td>
<td>(single sample)</td>
<td>10</td>
<td>10</td>
<td>Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits</td>
</tr>
</tbody>
</table>

* = Reported results are the 90th percentile value (the value that 90% of all samples are less than).

**Note:** The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Not all contaminants are tested for every year due to monitoring waivers and therefore we must use the most recent round of sampling. Some of our data is more than one year old, however, is limited to no older than 5 years.

**Units:**
- 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.
intestinal distress. Some people who drink disease
forms and E. coli are bacteria whose presence indicates that the water may be
- 10 ppm is a health risk for infants of less than six months of age. High
contaminants. However, some people may be more vulnerable to contaminants in drinking water than the general
Protection Agency’s Safe Drinking Water Hotline at 1-800-426-4791.

For most people, the health benefits of drinking plenty of water outweigh any possible health risk from these contaminants. However, 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/Center of Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological 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. We are 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 thirty (30) seconds to two (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.

We, at Waterford Country School, Inc., work hard to provide top quality water to every tap. Water is a limited resource so it is vital that we all work together to maintain it and use it wisely. We ask that all our customers help us protect and preserve our drinking water resources, which are the heart of our community, our way of life, and our children’s future. Please contact us with any questions. Thank you for working together for safe drinking water.