

*Onteora Central School District*  
**Lead Testing of School Drinking Water**  
*August 11, 2021*

Safe and healthy school environments can foster healthy and successful children. To protect public health, the Public Health Law and New York State Health Department (NYSDOH) regulations require that all public schools and boards of cooperative educational services (BOCES) test lead levels in water from every outlet that is being used, or could potentially be used, for drinking or cooking. If lead is found at any water outlet at levels above 15 parts per billion (ppb), which is equal to 15 micrograms per liter ( $\mu\text{g/L}$ ), the NYSDOH requires that the school take action to reduce the exposure to lead.

**What is first draw testing of school drinking water for lead?**

The “on-again, off-again” nature of water use at most schools can raise lead levels in school drinking water. Water that remains in pipes overnight, over a weekend, or over vacation periods stays in contact with lead pipes or lead solder and, as a result, could contain higher levels of lead. This is why schools are required to collect a sample after the water has been sitting in the plumbing system for a certain period of time. This “first draw” sample is likely to show higher levels of lead for that outlet than what you would see if you sampled after using the water continuously. However, even if the first draw sample does not reflect what you would see with continuous usage, it is still important because it can identify outlets that have elevated lead levels.

**Please see below, the results of the first draw testing for the Middle/High School and Central Administration building.**

<i>Central Admin Break Room Sink</i>	<i>ND&lt;1.0</i>	<i>Kitchen Sink 1</i>	<i>3.6</i>
<i>MS Nurse's Office Sink</i>	<i>3.0</i>	<i>B&amp;G Custodial Break Room Water Cooler</i>	<i>ND&lt;1.0</i>
<i>Main Hall Staff Breakroom Sink</i>	<i>ND&lt;1.0</i>	<i>Kitchen Sink 2</i>	<i>1.5</i>
<i>119 Sink</i>	<i>4.0</i>	<i>Kitchen Sink 3</i>	<i>6.0</i>
<i>Room 97 Photo Lab Sink</i>	<i>3.9</i>	<i>Kitchen Sink 4</i>	<i>8.8</i>
<i>208 Staff Lounge Sink</i>	<i>2.1</i>	<i>Kitchen Sink 5</i>	<i>ND&lt;1.0</i>
<i>2nd Floor Science Wing Staff Lounge Sink</i>	<i>75</i>	<i>Kitchen Sink 6</i>	<i>6.0</i>
<i>204 Break Room Sink</i>	<i>42</i>	<i>Kitchen Sink 7</i>	<i>2.2</i>
<i>209 Main Island Sink</i>	<i>11</i>	<i>Kitchen Sprayer</i>	<i>1.2</i>
<i>Water Cooler Outside 205</i>	<i>ND&lt;1.0</i>	<i>Kitchen Pot Filler 1</i>	<i>ND&lt;1.0</i>
<i>Bottle Fill Outside 205</i>	<i>ND&lt;1.0</i>	<i>Kitchen Pot Filler 2</i>	<i>ND&lt;1.0</i>
<i>Room 044 Right Sink</i>	<i>9.8</i>	<i>Gym Water Cooler</i>	<i>6.8</i>
<i>Bottle Fill Outside 165</i>	<i>ND&lt;1.0</i>	<i>B&amp;G Custodial Break Room Sink</i>	<i>2.6</i>
<i>Water Cooler Outside 165</i>	<i>ND&lt;1.0</i>	<i>Hs Weight Room Bottle Fill</i>	<i>1.4</i>
<i>163 Sink 1</i>	<i>240</i>	<i>Hs Weight Room Water Cooler</i>	<i>ND&lt;1.0</i>
<i>163 Sink 2</i>	<i>5.3</i>	<i>Hs Foyer Bottle Fill</i>	<i>ND&lt;1.0</i>
<i>163 Sink 3</i>	<i>7.1</i>	<i>HS Foyer Water Cooler on Right</i>	<i>ND&lt;1.0</i>
<i>163 Sink 4</i>	<i>3.0</i>	<i>HS Water Cooler on Left</i>	<i>ND&lt;1.0</i>
<i>163 Sink 5</i>	<i>4.8</i>	<i>Custodial Break Room Ice Machine</i>	<i>ND&lt;1.0</i>
<i>Water Cooler Outside 152</i>	<i>ND&lt;1.0</i>	<i>Kitchen Ice Machine</i>	<i>ND&lt;1.0</i>
<i>Bottle Fill Outside 152</i>	<i>ND&lt;1.0</i>	<i>Hs Weight Room Ice Machine</i>	<i>ND&lt;1.0</i>
<i>152 Staff Lounge #3 Sink</i>	<i>1.1</i>	<i>Courtyard Outside Spigot</i>	<i>49</i>

<i>Room 044 Left Sink</i>	<i>14</i>	<i>28 Outside Spigot</i>	<i>17</i>
<i>Water Cooler Outside 143</i>	<i>ND&lt;1.0</i>	<i>B&amp;G Custodial Break Room Bottle Fill</i>	<i>ND&lt;1.0</i>
<i>Bottle Fill Outside 143</i>	<i>ND&lt;1.0</i>	<i>Outside Superintendent's Office Outside</i>	<i>42</i>
<i>145 Sink 1</i>	<i>2.0</i>	<i>Outside B&amp;G Shop Door Spigot</i>	<i>2.6</i>
<i>145 Sink 2</i>	<i>4.3</i>	<i>HS Foyer Outside Spigot</i>	<i>3.0</i>
<i>145 Sink 3</i>	<i>6.1</i>	<i>Weight Room Outside Spigot</i>	<i>3.8</i>
<i>145 Sink 4</i>	<i>2.8</i>	<i>Kitchen Dock Outside Spigot</i>	<i>ND&lt;1.0</i>
<i>145 Sink 5</i>	<i>ND&lt;1.0</i>	<i>Custodial Break Room Sink</i>	<i>1.2</i>
<i>Cafeteria Bottle Fill</i>	<i>ND&lt;1.0</i>	<i>Main Hall Bottle Fill</i>	<i>ND&lt;1.0</i>
<i>Cafeteria Water Cooler</i>	<i>ND&lt;1.0</i>	<i>Main Hall Water Cooler</i>	<i>ND&lt;1.0</i>

**Please see below, the results of the first draw testing for the Bennett Elementary building.**

<i>Cafeteria Bottle Fill</i>	<i>ND&lt;1.0</i>	<i>Room 1 Bubblers</i>	<i>3.8</i>
<i>Room 28 Sink 2</i>	<i>6.2</i>	<i>Room 1 Sink</i>	<i>ND&lt;1.0</i>
<i>Room 26 Sink 1</i>	<i>3.5</i>	<i>Room 2 Sink</i>	<i>ND&lt;1.0</i>
<i>Room 26 Sink 2</i>	<i>12</i>	<i>Room 2 Bubblers</i>	<i>4.7</i>
<i>Room 24 Sink</i>	<i>12</i>	<i>Kitchen Sink 3</i>	<i>ND&lt;1.0</i>
<i>Nurse's Office (Room 22) Bath Sink</i>	<i>1.9</i>	<i>Room 40 Sink</i>	<i>2.3</i>
<i>Nurse's Office Sink</i>	<i>5.0</i>	<i>Room 38 Bubblers</i>	<i>2.2</i>
<i>Water Cooler by Main Office</i>	<i>3.5</i>	<i>Room 38 Sink</i>	<i>1.0</i>
<i>Women's Bath Outside Room 13 Sink</i>	<i>1.6</i>	<i>Room 39 Sink</i>	<i>1.2</i>
<i>Room 13 Sink</i>	<i>13</i>	<i>Room 39 Bubblers</i>	<i>ND&lt;1.0</i>
<i>Rear Building Men's Staff Bath Sink</i>	<i>2.2</i>	<i>Room 36 Bubblers</i>	<i>1.6</i>
<i>Cafeteria Water Cooler</i>	<i>ND&lt;1.0</i>	<i>Room 36 Sink</i>	<i>ND&lt;1.0</i>
<i>Rear Building Women's Staff Bath Sink</i>	<i>3.3</i>	<i>Room 37 Bubblers</i>	<i>ND&lt;1.0</i>
<i>Boys Bath Outside Room 16 Sink 2</i>	<i>3.4</i>	<i>Room 37 Sink</i>	<i>ND&lt;1.0</i>
<i>Boys Bath Outside Room 16 Sink 3</i>	<i>1.2</i>	<i>Room 35 Bubblers</i>	<i>ND&lt;1.0</i>
<i>Men's Bath Outside Room 14</i>	<i>10</i>	<i>Kitchen Sink 4 Sprayer</i>	<i>7.8</i>
<i>Girls Bath Outside Room 14 Sink 1</i>	<i>2.2</i>	<i>Room 35 Sink 1</i>	<i>1.3</i>
<i>Girls Bath Outside Room 14 Sink 2</i>	<i>2.2</i>	<i>Room 35 Sink 2</i>	<i>ND&lt;1.0</i>
<i>Girls Bath Outside Room 14 Sink 3</i>	<i>3.5</i>	<i>Room 34 Sink</i>	<i>ND&lt;1.0</i>
<i>Room 12 Bubblers</i>	<i>2.5</i>	<i>Room 34 Bubblers</i>	<i>ND&lt;1.0</i>
<i>Room 12 Sink</i>	<i>1.7</i>	<i>Room 32 Sink</i>	<i>ND&lt;1.0</i>
<i>Room 11 Sink</i>	<i>19</i>	<i>Room 32 Bubblers</i>	<i>ND&lt;1.0</i>
<i>Kitchen Sink 1</i>	<i>ND&lt;1.0</i>	<i>Room 33 Bubblers</i>	<i>ND&lt;1.0</i>
<i>Room 10 Sink</i>	<i>1.2</i>	<i>Room 33 Sink</i>	<i>ND&lt;1.0</i>
<i>Room 10 Bubblers</i>	<i>2.5</i>	<i>Room 31 Bubblers</i>	<i>ND&lt;1.0</i>
<i>Room 9 Sink</i>	<i>3.0</i>	<i>Room 31 Sink</i>	<i>ND&lt;1.0</i>
<i>Room 9 Bubblers</i>	<i>2.5</i>	<i>Girls Bath Outside Boiler Room Sink</i>	<i>1.7</i>
<i>Room 8 Bubblers</i>	<i>4.5</i>	<i>Room 30 Sink</i>	<i>ND&lt;1.0</i>
<i>Room 8 Sink</i>	<i>ND&lt;1.0</i>	<i>Room 30 Bubblers</i>	<i>1.2</i>
<i>Room 7 Sink</i>	<i>ND&lt;1.0</i>	<i>Rear Building Girls Bath Sink 1</i>	<i>1.6</i>
<i>Room 7 Bubblers</i>	<i>2.6</i>	<i>Rear Building Girls Bath Sink 2</i>	<i>1.3</i>
<i>Room 5 Sink</i>	<i>1.0</i>	<i>Rear Building Boys Bath Sink 1</i>	<i>ND&lt;1.0</i>

<i>Room 5 Bubbler</i>	<i>4.1</i>	<i>Rear Building Boys Bath Sink 2</i>	<i>ND&lt;1.0</i>
<i>Kitchen Sink 2</i>	<i>ND&lt;1.0</i>	<i>Back of Building Outside Hose Bib</i>	<i>740</i>
<i>Room 6 Bubbler</i>	<i>3.1</i>	<i>Front of Building Outside Hose Bib</i>	<i>54</i>
<i>Room 6 Sink</i>	<i>1.6</i>	<i>Back Fountain Right Side</i>	<i>ND&lt;1.0</i>
<i>Room 3 Sink</i>	<i>ND&lt;1.0</i>	<i>Back Fountain Left Side</i>	<i>ND&lt;1.0</i>
<i>Room 3 Bubbler</i>	<i>4.0</i>	<i>Boys Bath Outside Boiler Room Sink</i>	<i>1.8</i>
<i>Room 4 Bubbler</i>	<i>4.0</i>	<i>Boys Bathroom Left Side Front Hall</i>	<i>1.2</i>
<i>Room 4 Sink</i>	<i>2.1</i>	<i>Room 28 Sink 1</i>	<i>11</i>

**Please see below, the results of the first draw testing for the Phoenicia Elementary building.**

<i>Room 14 Sink</i>	<i>4.7</i>	<i>Water Cooler Outside Library</i>	<i>ND&lt;1.0</i>
<i>Room 12 Bubbler</i>	<i>1.7</i>	<i>Bottle Fill Outside Library</i>	<i>ND&lt;1.0</i>
<i>Room 12 Sink</i>	<i>62</i>	<i>Boys Bath Outside Library Sink 1</i>	<i>6.3</i>
<i>Room 9 Bath Sink</i>	<i>17</i>	<i>Room 13 Bubbler</i>	<i>85</i>
<i>Room 9 Sink</i>	<i>19</i>	<i>Boys Bath Outside Library Sink 2</i>	<i>7.5</i>
<i>Room 9 Bubbler</i>	<i>5.8</i>	<i>Boys Bath Outside Library Sink 3</i>	<i>6.8</i>
<i>Room 10 Bath Sink</i>	<i>10</i>	<i>Kitchen Sink 1</i>	<i>1.8</i>
<i>Room 10 Sink</i>	<i>9.2</i>	<i>Kitchen Sink 2</i>	<i>1.4</i>
<i>Room 10 Bubbler</i>	<i>22</i>	<i>Kitchen Sink 3 Sprayer</i>	<i>80</i>
<i>Room 7 Bubbler</i>	<i>2.5</i>	<i>Kitchen Bath Sink</i>	<i>24</i>
<i>Room 7 Sink</i>	<i>4.3</i>	<i>Kitchen Sink 4</i>	<i>1.9</i>
<i>Room 14 Bubbler</i>	<i>12</i>	<i>Nurse's Office Sink</i>	<i>13</i>
<i>Room 8 Bubbler</i>	<i>2.1</i>	<i>Nurse's Office Bath Sink</i>	<i>15</i>
<i>Room 8 Sink</i>	<i>1.8</i>	<i>Main Office Sink</i>	<i>99</i>
<i>Room 5 Sink</i>	<i>3.2</i>	<i>Room 13 Sink</i>	<i>2.4</i>
<i>Room 5 Bubbler</i>	<i>1.3</i>	<i>Reading Room Bath Sink</i>	<i>4.3</i>
<i>Room 6 Sink</i>	<i>5.1</i>	<i>Main Entrance Water Cooler</i>	<i>6.1</i>
<i>Room 6 Bubbler</i>	<i>1.6</i>	<i>Gym Office Bath Sink</i>	<i>12</i>
<i>Room 3 Sink</i>	<i>6.8</i>	<i>Left Bath Next to Teacher's Lounge Sink</i>	<i>5.9</i>
<i>Room 3 Bubbler</i>	<i>11</i>	<i>Right Bath Next to Teacher's Lounge Sink</i>	<i>8.9</i>
<i>Room 4 Sink</i>	<i>12</i>	<i>Teacher's Lounge Sink</i>	<i>3.3</i>
<i>Room 1 Bubbler</i>	<i>4.6</i>	<i>Music Room Bubbler</i>	<i>4.4</i>
<i>Room 14 Bath Sink</i>	<i>1.8</i>	<i>Music Room Sink</i>	<i>23</i>
<i>Room 1 Sink</i>	<i>1.2</i>	<i>OT/PT Sink</i>	<i>4.5</i>
<i>Room 2 Bubbler</i>	<i>8.7</i>	<i>Outside Hose Bib</i>	<i>45</i>
<i>Room 2 Sink</i>	<i>2.8</i>	<i>Room 11 Bath Sink</i>	<i>8.6</i>
<i>Girls Bath Outside Room 2 Sink 1</i>	<i>5.5</i>	<i>Room 11 Bubbler</i>	<i>13</i>
<i>Girls Bath Outside Room 2 Sink 2</i>	<i>6.9</i>	<i>Room 11 Sink</i>	<i>4.0</i>
<i>Girls Bath Outside Room 2 Sink 3</i>	<i>5.9</i>	<i>Room 12 Bath Sink</i>	<i>9.1</i>

**Please see below, the results of the first draw testing for the Woodstock Elementary building.**

<i>Room 20 Bath Sink</i>	<i>1.2</i>	<i>Room 9 Slop Sink</i>	<i>4.5</i>
<i>Faculty Bath on Left Outside 18 Sink</i>	<i>3.4</i>	<i>Room 9 Class Sink</i>	<i>33</i>

<i>Room 19 Sink</i>	5.6	<i>Room 9 Bath Sink</i>	3.1
<i>Room 18 Sink 2</i>	1.8	<i>Room 8 Bubbler</i>	1.8
<i>Room 18 Sink 1</i>	3.9	<i>Room 7 Bath Sink</i>	ND<1.0
<i>Boys Bath Outside 18 Sink 2</i>	2.0	<i>Room 7 Bubbler</i>	67
<i>Boys Bath Outside 18 Sink 1</i>	2.7	<i>Room 7 Sink</i>	9.0
<i>Girls Bath Outside 18 Sink 2</i>	4.6	<i>3rd Grade Bath Outside Room 7 Sink</i>	1.3
<i>Girls Bath Outside 18 Sink 1</i>	3.4	<i>Bath Outside Room 9 Sink</i>	1.1
<i>Room 16 Sink</i>	1.6	<i>Room 6 Sink</i>	ND<1.0
<i>Bubbler Outside 16</i>	ND	<i>Nurse's Office Sink</i>	11
<i>Room 21 Bubbler</i>	4.4	<i>Room 6 Bubbler</i>	4.6
<i>Girls Bath Outside Cafeteria Sink 2</i>	ND<1.0	<i>Room 7 Class Sink</i>	1.5
<i>Girls Bath Outside Cafeteria Sink 1</i>	ND<1.0	<i>Room 7 Bubbler</i>	250
<i>2nd Grade Group A Bath Sink 2</i>	ND<1.0	<i>Room 5 Bath Sink</i>	3.8
<i>2nd Grade Group A Bath Sink 1</i>	ND<1.0	<i>Room 8 Class Sink</i>	4.3
<i>Bubbler Outside Cafeteria</i>	ND<1.0	<i>Room 4 Bath Sink</i>	1.0
<i>Bottle Fill Outside Cafeteria</i>	ND<1.0	<i>Room 4 Sink</i>	ND<1.0
<i>Water Cooler Outside Cafeteria</i>	ND<1.0	<i>Room 3 Bubbler</i>	11
<i>Room 14 Sink</i>	ND<1.0	<i>Room 3 Bath Sink</i>	5.0
<i>Room 13 Bubbler</i>	1.6	<i>Room 3 Sink</i>	1.6
<i>Room 13 Sink</i>	4.2	<i>Nurse's Office Bath Sink</i>	ND<1.0
<i>Room 21 Sink</i>	4.6	<i>Room 6 Bath Sink</i>	1.2
<i>Room 10 Sink</i>	1.1	<i>Room 4 Bubbler</i>	3.1
<i>Kitchen Sink 1 Sprayer</i>	8.0	<i>Room 2 Bath Sink</i>	12
<i>Kitchen Sink 2</i>	2.9	<i>Room 2 Class Sink</i>	ND<1.0
<i>Kitchen Sink 3</i>	ND<1.0	<i>Room 1 Bath Sink</i>	ND<1.0
<i>Kitchen Bath Sink</i>	ND<1.0	<i>Room 1 Class Sink</i>	ND<1.0
<i>Gym Office Bath Sink</i>	4.0	<i>Room 1 Bubbler</i>	1.1
<i>Gym Bubbler</i>	6.0	<i>Room 10 Bubbler</i>	4.7
<i>Room 11 Sink</i>	1.7	<i>Room 12 Sink</i>	1.4
<i>Room 11 Bath Sink</i>	ND<1.0	<i>Main Office Bath Sink</i>	ND<1.0
<i>Room 11 Bubbler</i>	17	<i>Faculty Room Sink</i>	5.2
<i>Room 21 Bath Sink</i>	2.9	<i>Faculty Bath on Right Outside 18 Sink</i>	1.6

### **What is being done in response to the results?**

Outlets that tested with lead levels above the action level (15 ppb) were removed from service or posted with handwashing only signs. New fixtures will be installed and then retested before being put back into service.

### **What are the health effects of lead?**

Lead is a metal that can harm children and adults when it gets into their bodies. Lead is a known neurotoxin, particularly harmful to the developing brain and nervous system of children under 6 years old. Lead can harm a young child's growth, behavior, and ability to learn. Lead exposure during pregnancy may contribute to low birth weight and developmental delays in infants. There are many sources of lead exposure in the environment, and it is important to reduce all lead exposures as much as possible. Water testing helps identify and correct possible sources of lead that contribute to exposure from drinking water.

## **What are the other sources of lead exposure?**

Lead is a metal that has been used for centuries for many purposes, resulting in widespread distribution in the environment. Major sources of lead exposure include lead-based paint in older housing, and lead that built up over decades in soil and dust due to historical use of lead in gasoline, paint, and manufacturing. Lead can also be found in a number of consumer products, including certain types of pottery, pewter, brass fixtures, foods, plumbing materials, and cosmetics. Lead seldom occurs naturally in water supplies but drinking water could become a possible source of lead exposure if the building's plumbing contains lead. The primary source of lead exposure for most children with elevated blood-lead levels is lead-based paint.

## **Should your child be tested for lead?**

The risk to an individual child from past exposure to elevated lead in drinking water depends on many factors; for example, a child's age, weight, amount of water consumed, and the amount of lead in the water. Children may also be exposed to other significant sources of lead including paint, soil and dust. Since blood lead testing is the only way to determine a child's blood lead level, parents should discuss their child's health history with their child's physician to determine if blood lead testing is appropriate. Pregnant women or women of childbearing age should also consider discussing this matter with their physician.

## **Additional Resources**

**For more information regarding the testing program or sampling results,** contact Onteora Schools Buildings and Grounds Department at 845-657-6384, or go to our school website: <http://www.onteora.k12.ny.us>

**For information about lead in school drinking water, go to:**

[http://www.health.ny.gov/environmental/water/drinking/lead/lead\\_testing\\_of\\_school\\_drinking\\_water.htm](http://www.health.ny.gov/environmental/water/drinking/lead/lead_testing_of_school_drinking_water.htm)

<http://www.p12.nysed.gov/facplan/LeadTestinginSchoolDrinkingWater.html>

**For information about NYS Department of Health Lead Poisoning Prevention, go to:**

<http://www.health.ny.gov/environmental/lead/>

**For more information on blood lead testing and ways to reduce your child's risk of exposure to lead, see "What Your Child's Blood Lead Test Means":**

<http://www.health.ny.gov/publications/2526/> (available in ten languages).

For specific questions regarding Onteora CSD lead testing or results, please reach out to Kyle Harjes at [kharjes@onteora.k12.ny.us](mailto:kharjes@onteora.k12.ny.us) or at 845-657-6384.