

North Syracuse Central School District

Lead Testing Results

January 1 – June 30, 2016

Young children, infants, and fetuses are particularly vulnerable to lead because the physical and behavioral effects of lead occur at lower exposure levels in children than in adults. A dose of lead that would have little effect on an adult can have a significant effect on a child. In children, low levels of exposure have been linked to damage to the central and peripheral nervous system, learning disabilities, shorter stature, impaired hearing, and impaired formation and function of blood cells.

It is important to recognize all the ways a child can be exposed to lead. Children are exposed to lead in paint, dust, soil, air, and food, as well as drinking water. If the level of lead in a child's blood is at or above the CDC action level of 5 micrograms per deciliter, it may be due to lead exposures from a combination of sources. EPA estimates that drinking water can make up 20 percent or more of a person's total exposure to lead.

On September 6, 2016 the Governor signed into law Chapter 296 of the Laws of 2016. This law (NYCRR Title 10, Subpart 67-4) requires school districts and BOCES to conduct testing of school potable water sources in occupied buildings and to monitor for lead contamination and remediate where necessary.

In addition to signing the legislation into law, the Department of Health (DOH) also issued emergency regulations for the implementation of the new law that take effect immediately (Sept 6th).

The new law requires all school districts and BOCES to test potable water for lead contamination and to develop a remediation plan where necessary.

Key definitions:

- "Action Level" means 15 *micrograms* per liter (or 0.015mg/l) or 15 parts per billion. A level above the action level requires a response (e.g., remediation).
- "Outlet" means a potable water fixture currently or potentially used for drinking or cooking purposes, but not limited to bubbler, drinking fountain or faucets. Further clarification by the NYS Department of Health added art, science, and restroom sinks.

Testing Protocol:

Testing water in schools is important because children spend a lot of time in these facilities, and are very likely to consume water while there. Even though water delivered from the community's public water supply must meet federal and state standards for lead, the building plumbing may contribute to elevated lead levels in the drinking water. Testing the water at each outlet is the only sure way to find out if the water contains too much lead.

You cannot see, taste, or smell lead in water; testing is the only sure way to tell if there are elevated levels of lead in your drinking water.

- Choose a certified laboratory to test your samples.
- The initial sample is representative of the water that may be consumed at the beginning of the day or after infrequent use. This is water that has been in contact with the faucet or drinking water fountain and the section of plumbing closest to the outlet.
- Collect cold water samples in the morning before the facility opens for the day. Make sure that no water has been used yet— don't run faucets or flush toilets before you sample. Collect the water immediately after turning it on without allowing any water to run into the drain. The outlets you are testing should not have been used for 8 to 18 hours prior to collection of the samples. This is called a **first draw sample**.
- **Take follow-up samples from outlets where test results show lead levels greater than 15 ppb (parts per billion).**
- **Follow-up Samples** - This sample is representative of the water that is in the plumbing upstream from the faucet or drinking water fountain. Take this sample before the facility opens and before any water is used. Let the water from the faucet or drinking water fountain run for 30 seconds before collecting the sample. This is called a flush sample.

Results:

- When the laboratory returns our test results, the concentrations of lead in our drinking water samples will be reported in metric form such as milligrams per liter (mg/L) or micrograms per liter (μ g/L), or they will be reported as a concentration such as parts per million (ppm) or parts per billion (ppb), respectively. Milligrams per liter (mg/L) is essentially the same as parts per million (ppm). Micrograms per liter (μ g/L) are essentially the same as parts per billion (ppb).

Examples: $1\text{mg/L} = 1000\mu\text{g/L} = 1\text{ppm} = 1000\text{ppb}$

$.015\text{mg/L} = 15\mu\text{g/L} = .015\text{ppm} = 15\text{ppb}$

Required Actions if Levels of Lead are Detected at or Above 15 parts per billion:

- Prohibit use of the outlet until a remediation plan is implemented and test results indicate that lead levels are at or below the action level.
- Provide facility occupants with an adequate supply of potable water for drinking and cooking until remediation is performed.
- Report the results to the local Department of Health.
- Notify all staff and all persons in a parental relation to students of the test results in writing as soon as practicable, but no more than ten days after receiving the laboratory report.

Responding to High Lead Levels:

- Provide an alternative and lead-free source of drinking water.
- Remove sources of lead in the plumbing system.
 - Replace solder joints with lead-free joints. Replace the outlet or fixture/ faucet with lead-free materials. Replace piping with lead-free materials.

Public Notification:

- The school will make available the results of all lead testing performed and remediation plans implemented on it's website as soon as practicable, but no later than 6 weeks after the school receives the laboratory results
- For schools that received lead testing results and implemented lead remediation plans prior to the effective date of these regulations, the school's shall make available on the school's website as soon as practicable, but no more than 6 weeks after the effective date of this legislation .

Future Testing:

- Schools will be required to collect samples for lead again in 2020, or earlier as determine by the Commissioner. Schools will continue to collect first-draw samples at least every 5 years thereafter, or at an earlier time as determined by the Commissioner.

Testing Results for the period of January 1 – June 30, 2016

Due to the concern raised across the Nation in early 2016 in regards to high levels of lead in drinking water, the District undertook an extensive lead testing program on all classroom sinks and drinking fountains throughout the District. At the time, the District was using the EPA’s acceptable level for lead in drinking water of 20 parts per billion. The new standard implemented by New York State on September 6, 2016 is 15 parts per billion.

The following is the results of the testing conducted utilizing the 15 parts per billion standard.

Overall testing results Districtwide:

Elementary Schools:

	Total Number of Test Samples	Number of First Draw Samples Taken	Number of Flush Draw Samples Taken	Number of Samples Above 15ppb	Number of Retests Samples Taken	Number of Retest Samples Above 15ppb	Remedial Action Plan
Allen Road Elementary	68	34	34	0	0	0	None
Bear Road Elementary	88	44	44	0	0	0	None
Cicero Elementary	88	44	44	0	0	0	None
Lakeshore Road Elementary	90	45	45	9	9	7	Removed from service until fixtures are Replaced and retested
Main Street Early Education	16	8	8	0	0	0	None
Smith Road Elementary	96	48	48	1	1	1	Fixture removed
Roxboro Road Elementary	88	44	44	0	0	0	None

Middle/Junior high/High Schools:

	Total Number of Test Samples	Number of First Draw Samples Taken	Number of Flush Draw Samples Taken	Number of Samples Above 15ppb	Number of Retests Samples Taken	Number of Retest Samples Above 15ppb	Remedial Action Plan
Gillette Road Middle School	78	39	39	0	0	0	None
Roxboro Road Middle School	82	41	41	1	1	0	Replaced fixture, retested
North Syracuse Junior High School	102	51	51	0	0	0	None
Cicero-North Syracuse High School	96	48	48	4	3	0	Removed from service until fixtures are Replaced and retested

Other Facilities:

	Total Number of Test Samples	Number of First Draw Samples Taken	Number of Flush Draw Samples Taken	Number of Samples Above 15ppb	Number of Retests Samples Taken	Number of Retest Samples Above 15ppb	Remedial Action Plan
Michael Bragman Stadium	16	8	8	0	0	0	None
North Syracuse Junior High Concession Stand	2	1	1	0	0	0	None
Gillette Road Athletic Complex Concession Stand	7	5	2	0	2	2	Retested, changed fixture, retested, took out of service, next step replace plumbing sections
District Office	22	11	11	1	0	0	Removed Fixture
M&O/Food Service/ Transportation Complex	14	7	7	0	0	0	None

Total Number of Samples taken:969

Total number of fixtures currently out of service (above 15ppb):.....11

Percentage of fixtures out of service (above 15ppb).....1.13

Fixtures Locations At Or Above 15ppb:

- Lakeshore Road Elementary
 - Room 147 - Bubblers
 - Room 152 – Bubblers
 - Room 160 – Bubblers
 - Room 161 – Bubblers
 - Room 164 – Bubblers
 - Room 172 – Bubblers
 - Room 176 – Bubblers
- Cicero-North Syracuse High School
 - Women’s Locker Room Drinking Fountain
- Gillette Road Athletic Complex Concession Stand
 - Sink – Left side

Ongoing Testing:

As part of the new Law enacted on September 6, 2016, all fixtures previously tested after January 1, 2015 shall satisfy the initial first draw sampling requirement.

Furthermore, any fixture not sampled within this time frame, must complete sampling in the following time frames:

- All schools serving Grades PreK through 5 must have samples collected by September 30, 2016.
- All schools serving Grades 6 through 12 must have samples collected by October 31, 2016.
- The District has completed all Grades PreK through 5 testing on any untested fixtures, and is awaiting laboratory test results.
- Testing for any untested fixtures will be completed by October 31, 2016.

Testing Results for the period of September 6 – September 30, 2016

The following is the results of the testing conducted utilizing the 15 parts per billion standard.

Overall testing results Districtwide:

Elementary Schools:

	Total Number of Test Samples	Number of First Draw Samples Taken	Number of Flush Draw Samples Taken	Number of Samples Above 15ppb	Number of Retests Samples Taken	Number of Retest Samples Above 15ppb	Remedial Action Plan
Allen Road Elementary	55	55	0	0	0	0	None
Bear Road Elementary	79	79	0	6	0	0	Change Faucets/aerators on 6 fixtures/retest
Cicero Elementary	94	94	0	0	0	0	None
Roxboro Road Elementary	73	73	0	0	0	0	None
Lakeshore Road Elementary	82	82	0	20	0	0	Change Faucets/aerators on 20 fixtures/retest
Main Street	22	22	0	0	0	0	None
Smith Road Elementary	84	84	0	4	0	0	Change Faucets on 4 fixtures/retest

Middle/Junior high/High Schools:

	Total Number of Test Samples	Number of First Draw Samples Taken	Number of Flush Draw Samples Taken	Number of Samples Above 15ppb	Number of Retests Samples Taken	Number of Retest Samples Above 15ppb	Remedial Action Plan
Cicero-North Syracuse High School	168	168	0	71	2	2	Replace Fixtures/ conduct further piping investigation
North Syracuse Junior High School	110	110	0	25	0	0	Replace Fixtures/Retest
Gillette Road Middle School	72	72	0	2	0	0	Replace 2 fixtures/retest
Roxboro Road Middle School	59	59	0	4	0	0	Replace 4 fixtures/retest

Other Facilities:

	Total Number of Test Samples	Number of First Draw Samples Taken	Number of Flush Draw Samples Taken	Number of Samples Above 15ppb	Number of Retests Samples Taken	Number of Retest Samples Above 15ppb	Remedial Action Plan
Michael Bragman Stadium	6	6	0	0	0	0	None

Total Number of Samples taken:1719

Total number of fixtures currently out of service (above 15ppb):.....138

Percentage of fixtures out of service (at/or above 15ppb).....8.02

Lakeshore Road Elementary Remediation Plan

Classroom #	Fixture	Remediation Plan
105	Classroom sink	Change aerator/retest
106	Classroom sink	Change aerator/retest
107	Classroom sink	Change aerator/retest
109	Classroom sink	Change aerator/retest
113	Classroom sink	Change aerator/retest
114	Bathroom sink	Change faucet
129	Bathroom sink	Change 2 couplings and aerator/retest
141	Classroom sink	Change faucet/retest
142	Bathroom sink	Change faucet/retest
143	Classroom sink	Change faucet/retest
144	Classroom sink	Change faucet/retest
145	Classroom sink	Change faucet/retest
146	Classroom sink	Change faucet/retest
147	Classroom sink	Change faucet/retest
152	Classroom sink	Change faucet/retest
152	Bathroom sink	Change aerator/retest
153	Classroom sink	Change aerator/retest
156	Classroom sink	Change faucet/retest
157	Classroom sink	Change faucet/retest
178	Classroom sink	Change faucet/retest

Bear Road Elementary Remediation Plan

Classroom #	Fixture	Remediation Plan
168	Classroom sink	Change faucet/retest
159A	Classroom sink	Change aerator/retest
156	Classroom sink	Change faucet/retest
146	Classroom sink	Change aerator/retest
142	Classroom sink	Change aerator/retest
140	Classroom Sink	Change aerator/retest

Smith Road Elementary School

Classroom #	Fixture	Remediation Plan
162	Classroom sink #1	Change faucet/retest
162	Classroom sink #2	Change faucet/retest
162	Classroom sink #4	Change faucet/retest
Kitchen	Sink #4	Change faucet/retest

Gillette Road Middle School

Classroom #	Fixture	Remediation Plan
017	Sink	Replace Faucet and Retest
Restroom 044	1st Sink	Replace Faucet and Retest

Roxboro Road Middle School

Classroom #	Fixture	Remediation Plan
117	Classroom sink #2	Change faucet/retest
139	Classroom sink #2	Change faucet/retest
146	Classroom sink #3	Change faucet/retest
099A (outside Bathroom)	Sink	Change faucet/retest

North Syracuse Junior High School

Classroom #	Fixture	Remediation Plan
168	Sink	Fixture Turned Off/Replace Fixture/Retest
167	Sink 1	Sign Posted* /Replace Fixture/Retest
129	Sink 2	Sign Posted* Replace Fixture/Retest
3 Rd Floor Girls Bathroom Near 312	Sink 1	Fixture Turned Off/ Replace Fixture/Retest
3Rd Floor Girls Bathroom Near 312	Sink 3	Fixture Turned Off /Replace Fixture/Retest
311	Sink 1	Sign Posted*/ Replace Fixture/Retest
311	Sink 2	Sign Posted*/ Replace Fixture/Retest
311	Sink 3	Sign Posted*/ Replace Fixture/Retest
311	Sink 4	Sign Posted*/ Replace Fixture/Retest
313	Sink 5	Sign Posted*/ Replace Fixture/Retest
317	Sink 3	Sign Posted*/ Replace Fixture/Retest
317	Sink 5	Sign Posted*/ Replace Fixture/Retest
317	Sink 6	Sign Posted* Replace Fixture/Retest /
321	Front Sink	Fixture Turned Off/
2 nd Floor South Handicap Bathroom	Sink 2	Sign Posted* /Replace Fixture/Retest
341	Sink 2	Fixture Turned Off/ Replace Fixture/Retest
339	Sink 1	Sign Posted*/ Replace Fixture/Retest
339	Sink 2	Sign Posted*/ Replace Fixture/Retest
339	Sink 3	Fixture Turned Off/ Replace Fixture/Retest
331	Sink 2	Sign Posted*/ Replace Fixture/Retest
331	Sink 4	Sign Posted*/ Replace Fixture/Retest
331	Sink 6	Sign Posted*/ Replace Fixture/Retest

331	Sink 7	Sign Posted*/ Replace Fixture/Retest
327	Sink 1	Sign Posted*/ Replace Fixture/Retest
327	Sink 2	Sign Posted*

Cicero-North Syracuse High School

Classroom #	Fixture	Remediation Plan
BBR near café	Sink 3	Change faucet/retest
BBR near café	Sink 4	Change faucet/retest
153	Sink 1	Post signage/ Not for Drinking
153	Sink 3	Post signage/ Not for Drinking
173A	Sink	Post signage/ Not for Drinking
2nd fl. Girls HS II	Sink 3	Post signage/ Not for Drinking
242	Sink 3	Post signage/ Not for Drinking
264	Front Sink	Post signage/ Not for Drinking
263	Sink 1 Left	Post signage/ Not for Drinking
263	Sink 1 Right	Post signage/ Not for Drinking
263	Sink 2 Left	Post signage/ Not for Drinking
263	Sink 2 Right	Post signage/ Not for Drinking
263	Sink 3 Left	Post signage/ Not for Drinking
263	Sink 3 Right	Post signage/ Not for Drinking
263	Sink 4 Left	Post signage/ Not for Drinking
263	Sink 4 Right	Post signage/ Not for Drinking
263	Sink 5 Left	Post signage/ Not for Drinking
263	Sink 5 Right	Post signage/ Not for Drinking
263	Ctr Sink Left	Post signage/ Not for

		Drinking
263	Ctr Sink Right	Post signage/ Not for Drinking
262	Sink 1 Left	Post signage/ Not for Drinking
262	Sink 2 Left	Post signage/ Not for Drinking
262	Sink 2 Right	Post signage/ Not for Drinking
262	Sink 3	Post signage/ Not for Drinking
262	Sink 4 Left	Post signage/ Not for Drinking
262	Sink 4 Right	Post signage/ Not for Drinking
262	Sink 5 Left	Post signage/ Not for Drinking
262	Sink 5 Right	Post signage/ Not for Drinking
262	Sink 6 Left	Post signage/ Not for Drinking
262	Sink 6 Right	Post signage/ Not for Drinking
262	Ctr Sink Left	Post signage/ Not for Drinking
262	Ctr Sink Right	Post signage/ Not for Drinking
261	Sink 1 Left	Post signage/ Not for Drinking
261	Sink 1 Right	Post signage/ Not for Drinking
261	Sink 3 Left	Post signage/ Not for
261	Sink 3 Right	Drinking
261	Sink 4	Post signage/ Not for Drinking
261	Sink 5 Left	Post signage/ Not for Drinking
261	Sink 5 Right	Post signage/ Not for Drinking
261	Sink 6 Left	Post signage/ Not for Drinking
261	Sink 6 Right	Post signage/ Not for

		Drinking
261	Ctr Sink Left	Post signage/ Not for Drinking
277	Sink 1	Post signage/ Not for Drinking
277	Sink 2	Post signage/ Not for Drinking
277	Sink 3	Post signage/ Not for Drinking
277	Sink 4	Post signage/ Not for Drinking
277	Front Sink	Post signage/ Not for Drinking
276	Sink 1	Post signage/ Not for Drinking
276	Sink 3	Post signage/ Not for Drinking
276	Mid-left Sink	Post signage/ Not for Drinking
275	Sink 1	Post signage/ Not for Drinking
275	Sink 2	Post signage/ Not for Drinking
275	Sink 3	Post signage/ Not for Drinking
273	Sink 1	Post signage/ Not for Drinking
273	Sink 2	Post signage/ Not for Drinking
272	Sink 1	Post signage/ Not for Drinking
272	Sink 2	Post signage/ Not for
271	Sink 1	Post signage/ Not for Drinking
271	Sink 2	Post signage/ Not for Drinking
270	Sink 1	Post signage/ Not for Drinking
269	Sink 2 Left	Post signage/ Not for Drinking
269	Sink 2 Right	Post signage/ Not for Drinking
269	Sink 3	Post signage/ Not for

		Drinking
269	Sink 4 Left	Post signage/ Not for Drinking
269	Sink 4 Right	Post signage/ Not for Drinking
269	Sink 5 Left	Post signage/ Not for Drinking
269	Sink 5 Right	Post signage/ Not for Drinking
269	Sink 6 Left	Post signage/ Not for Drinking
269	Sink 6 Right	Post signage/ Not for Drinking
269	Ctr Sink Left	Post signage/ Not for Drinking
269	Ctr Sink Right	Post signage/ Not for Drinking

Electronic or hard copies of individual or District wide laboratory results can be obtained by contacting in writing:

Superintendent of Schools
 North Syracuse Central School District
 5355 West Taft Road
 North Syracuse NY 13212

