

February 2017

In light of recent water quality concerns across the nation, the Governor recently signed legislation requiring all school districts in New York State to test their water systems for lead. The Somers CSD has had its water tested for lead in accordance with protocols set by state and federal regulatory agencies.

The protocol called for water samples to be drawn from all sinks and water fountains after the water had been standing in the pipes for at least eight hours (1st draw), and again after running the water for 30 seconds (2nd draw). Lead found in tap water usually comes from the corrosion of older fixtures or from solder used to connect the pipes. When water sits in leaded pipes for several hours, lead can leach into the water. Running water for 30 seconds or so usually results in dramatically lower levels of lead.

Testing of elementary school's water is required by September 30 and secondary schools are required to be tested by October 30.

We have now received initial test results for all four school buildings. In some instances water outlets registered above the allowable limit of 15 parts per billion. These water outlets were disabled, and remediation efforts such as installing carbon filters or installing a new water fountain then took place. After remediation efforts were completed these water outlets remained disabled while we awaited re-testing results.

The 1st and 2nd draw results, along with locations and remedial actions taken are summarized on the below spreadsheet.

Water Test Report
Sept / Oct. 2016 samples - PES

All samples taken 9/24/2016												
<u>Location</u>	<u>1st draw</u>		<u>2nd draw</u>		<u>Remedy</u>	<u>Retest</u>	<u>Location</u>	<u>1st draw</u>		<u>2nd draw</u>	<u>Remedy</u>	<u>Retest</u>
103 E-4 Sink	16	ppb	4.5	ppb	Filter installed	<1.0 ppb	034 Room A-5 sink	2.2	ppb	<1.0	ppb	
101 E-2 Sink	49.6	ppb	8.4	ppb	Filter installed	<1.0 ppb	035 A wing hall bath	2.1	ppb	<1.0	ppb	
092 D-3 Sink	11.4	ppb	<1.0	ppb			036 Room A-3 sink	8.2	ppb	<1.0	ppb	
082 Kitchen Middle	12.8	ppb	<1.0	ppb			037 Room A-3 bath	2.8	ppb	<1.0	ppb	
076A K-4 Fountain	14.5	ppb	3.2	ppb			038 A wing fountain	1.6	ppb	<1.0	ppb	
072 K-3 Fountain	13.6	ppb	1.8	ppb			039 Room A-4 sink	<1.0	ppb	<1.0	ppb	
063 C-4 Sink	11.4	ppb	26.0	ppb	Filter installed	<1.0 ppb	040 Room A-4 bath	2.0	ppb	<1.0	ppb	
060 C-2 Bath	9.8	ppb	3.8	ppb			043 B fountain	<1.0	ppb	<1.0	ppb	
041 Room A-1 Sink	9.9	ppb	<1.0	ppb			044 B-1 sink	3.1	ppb	<1.0	ppb	
042 Room A-1 Bath	11.3	ppb	1.2	ppb			045 B-1 bath	2.0	ppb	<1.0	ppb	
001 Hall Bath Girls near caff	2.8	ppb	<1.0	ppb			046 B-2 sink	5.3	ppb	<1.0	ppb	
002 Hall Bath Girls near caff	2.2	ppb	<1.0	ppb			047 B-2 bath	3.8	ppb	1.0	ppb	
003 Fountain near caff	<1.0	ppb	<1.0	ppb			048 B-3 sink	6.5	ppb	<1.0	ppb	
004 Fountain mid main hall	2.0	ppb	2.8	ppb			049 B-3 bath	3.0	ppb	1.1	ppb	
005 Library Office	3.7	ppb	<1.0	ppb			050 B-4 bath	4.8	ppb	<1.0	ppb	
006 Mens room main hall	<1.0	ppb	<1.0	ppb			051 B-4 sink	2.0	ppb	<1.0	ppb	
007 Mens room main hall	8.8	ppb	<1.0	ppb			052 B-7 sink	<1.0	ppb	<1.0	ppb	
008 Girls room main hall	1.7	ppb	<1.0	ppb			053 B bathroom boys	4.2	ppb	<1.0	ppb	
009 Girls room main hall	1.5	ppb	<1.0	ppb			054 B girls bath	3.2	ppb	1.3	ppb	
010 Conference room bath	1.4	ppb	<1.0	ppb			055 B-8 sink	5.0	ppb	<1.0	ppb	
Fountain A wing #1	<1.0	ppb	<1.0	ppb			056 C wing fountain	2.2	ppb	<1.0	ppb	
012 Nurse office sink	<1.0	ppb	<1.0	ppb			057 C-1 sink	5.1	ppb	1.3	ppb	
Nurse Bathroom	1.0	ppb	<1.0	ppb			058 C-1 bath	5.5	ppb	1.3	ppb	
014 Faculty Sink	3	ppb	1.4	ppb			059 C-2 sink	7.4	ppb	2.2	ppb	
015 Faculty Bath	<1.0	ppb	<1.0	ppb			061 C-3 sink	2.6	ppb	<1.0	ppb	
016 Room A-15 sink	<1.0	ppb	<1.0	ppb			062 C-3 bath	6.2	ppb	<1.0	ppb	
017 Room A-15 bath	2.1	ppb	<1.0	ppb			064 C-4 bath	6.9	ppb	<1.0	ppb	
018 Music room sink	2.8	ppb	<1.0	ppb			065 K wing fountain	2.2	ppb	2.2	ppb	
019 Music room bath	1.1	ppb	<1.0	ppb			066 K wing sink K1	3.7	ppb	2.3	ppb	
020 Room A-12 sink	<1.0	ppb	<1.0	ppb			067 K wing bath #1 K1	6.5	ppb	<1.0	ppb	
021 Room A-12 bath	<1.0	ppb	<1.0	ppb			068 K wing bath #2 K1	3.7	ppb	1.4	ppb	
022 Room A-13 sink	<1.0	ppb	<1.0	ppb			069 K2 fountain	<1.0	ppb	<1.0	ppb	
023 Room A-13 bath	<1.0	ppb	<1.0	ppb			070 K-2 sink	<1.0	ppb	<1.0	ppb	
024 Room A-11 sink	3.3	ppb	<1.0	ppb			071 K-2 bath	<1.0	ppb	<1.0	ppb	
025 Room A-11 bath	<1.0	ppb	<1.0	ppb			073 K-3 sink	<1.0	ppb	<1.0	ppb	
026 Room A-10 sink	<1.0	ppb	<1.0	ppb			074 K-3 bath #1	4.9	ppb	<1.0	ppb	
027 Room A-10 bath	1.0	ppb	<1.0	ppb			075 K-3 bath #2	3.5	ppb	2.0	ppb	
028 Room A-9 sink	1.3	ppb	<1.0	ppb			076B K-4 sink	<1.0	ppb	<1.0	ppb	
029 Room A-9 bath	<1.0	ppb	<1.0	ppb			076C K-4 bath #1	4.7	ppb	<1.0	ppb	
030 Room A-8 sink	<1.0	ppb	<1.0	ppb			076D K-4 bath #2	3.0	ppb	<1.0	ppb	

Water Test Report
Sept / Oct 2016 Samples - SHS

All samples taken 10/19 & 10/20/2016											
<u>Location</u>	<u>1st draw</u>	<u>2nd draw</u>	<u>Remedy</u>	<u>Retest</u>	<u>Location</u>	<u>1st draw</u>	<u>2nd draw</u>	<u>Remedy</u>	<u>Retest</u>		
Custodian office bathroom	<1.0 ppb	<1.0 ppb			63 2nd fl C Wing boys br sink	<1.0 ppb	<1.0 ppb				
Loc 2 Main Kitchen Sink	21.7 ppb	<1.0 ppb	Filter installed	<1.0 ppb	64 2nd fl C Wing hall fountain	<1.0 ppb	<1.0 ppb				
Loc 3 Main Kitchen Sink	<1.0 ppb	<1.0 ppb			65 2nd fl C Wing girls br sink	<1.0 ppb	<1.0 ppb				
Loc 4 Main Kitchen Sink	<1.0 ppb	<1.0 ppb			66 2nd fl C Wing girls br sink	<1.0 ppb	<1.0 ppb				
Loc 5 Main Kitchen Sink	13.2 ppb	<1.0 ppb			67 2nd fl ladies br sink near rm 225A	1.3 ppb	1.0 ppb				
Loc 6 Main Kitchen Sink	76.9 ppb	3.1 ppb	Filter installed	<1.0 ppb	68 2nd fl hall fountain across rm 223A	77.3 ppb	3.0 ppb			out of service new fountain to be installed	
Loc 7 Main Kitchen Sink	1.0 ppb	<1.0 ppb			69 2nd fl mens br sink across rm 223 A	1.4 ppb	<1.0 ppb				
Loc 8 Main Kitchen Sink	<1.0 ppb	<1.0 ppb			70 2nd fl Success Center sink	3.1 ppb	<1.0 ppb				
Loc 9 Main Kitchen Sink	3.5 ppb	<1.0 ppb			71 2nd fl Social Studies sink	8.4 ppb	<1.0 ppb				
Loc 10 Main Kitchen Sink	1.0 ppb	<1.0 ppb			72 2nd fl fountain rm 218A	5.0 ppb	1.7 ppb				
11 Main café' fountain	<1.0 ppb	<1.0 ppb			73 Old gym coach office sink	2.0 ppb	<1.0 ppb				
12 Hall fountain near 112	3.7 ppb	<1.0 ppb			74 Basement ladies br sink	4.8 ppb	37.8 ppb	Filter installed	<1.0		
13 Mensbr outside main office	2.0 ppb	<1.0 ppb			75 basement ladies br sink	10.2 ppb	6.5 ppb				
14 Ladies br outside main office	<1.0 ppb	<1.0 ppb			76 basement ladies br sink	8.5 ppb	2.4 ppb				
15 Hall fountain at 108 D	<1.0 ppb	<1.0 ppb			77 basement hall fountain	1.9 ppb	1.1 ppb				
16 Girls bathroom D Wing	1.4 ppb	<1.0 ppb			78 basement men br sink	43.5 ppb	21.4 ppb	Filter installed	<1.0		
17 Girls bathroom D Wing	<1.0 ppb	<1.0 ppb			79 basement men br sink	11.5 ppb	5.8 ppb				
18 Boys bathroom D Wing	1.1 ppb	<1.0 ppb			80 basement men br sink	6.5 ppb	3.1 ppb				
19 Boys bathroom D Wing	1.4 ppb	<1.0 ppb			81 girls locker rm br sink	4.5 ppb	<1.0 ppb				
20 Main office bathroom	<1.0 ppb	<1.0 ppb			82 girls locker rm br sink	1.9 ppb	<1.0 ppb				
21 Hall fountain side main office	<1.0 ppb	<1.0 ppb			83 girls locker rm br sink	3.0 ppb	1.6 ppb				
22 Main office kitchen sink	5.1 ppb	<1.0 ppb			84 girls locker rm coach br sink	<1.0 ppb	<1.0 ppb				
23 Nurse office exam sink	<1.0 ppb	<1.0 ppb			85 girls locker rm water fountain	59.1 ppb	4.5 ppb			out of service new fountain to be installed	
24 Nurse office bathroom sink	<1.0 ppb	<1.0 ppb			86 Athletic Dir office br sink	2.4 ppb	<1.0 ppb				
25 1st fl Teacher lounge sink	1.2 ppb	<1.0 ppb			87 boys locker rm front br sink	2.1 ppb	<1.0 ppb				
26 Tots room sink	3.0 ppb	1.6 ppb			88 boys locker rm rear br sink	2.0 ppb	1.7 ppb				
27 Textile room sink	27.7 ppb	2.2 ppb	Filter installed	<1.0	89 Commons kitchen sink	<1.0 ppb	<1.0 ppb				
28 Hall fountain at copy center	<1.0 ppb	1.7 ppb			90 Commons kitchen sink	<1.0 ppb	<1.0 ppb				
29 C Wing boys bathroom sink	<1.0 ppb	<1.0 ppb			91 Commons kitchen sink	<1.0 ppb	<1.0 ppb				
30 C Wing boys bathroom sink	1.1 ppb	<1.0 ppb			92 Commons kitchen sink	<1.0 ppb	1.5 ppb				
31 Hall fountain C Wing	<1.0 ppb	<1.0 ppb			93 Commons boys br sink	<1.0 ppb	<1.0 ppb				
32 C Wing girls bathroom sink	2.5 ppb	<1.0 ppb			94 Commons boys br sink	<1.0 ppb	<1.0 ppb				
33 C Wing girls bathroom sink	<1.0 ppb	<1.0 ppb			95 Commons girls br sink	<1.0 ppb	<1.0 ppb				
34 Auditorium girls br sink	1.4 ppb	<1.0 ppb			96 Commons girls br sink	<1.0 ppb	<1.0 ppb				
35 Auditorium girls br sink	2.6 ppb	<1.0 ppb			97 Commons water fountain	2.1 ppb	3.5 ppb				
36 Auditorium boys br sink	2.1 ppb	1.1 ppb			98 Commons water fountain	<1.0 ppb	<1.0 ppb				
37 Auditorium boys br sink	3.1 ppb	1.2 ppb			99 Trainers office sink	<1.0 ppb	<1.0 ppb				

FREQUENTLY ASKED QUESTIONS

For School Buildings and Grounds Personnel

Lead in NYS School Drinking Water

September 15, 2016

Background

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 could contain higher levels of lead. It is important to identify and address elevated levels of lead in drinking water in schools as part of reducing a child's overall exposure to lead in the environment.

Legislation and Regulation

1. What is the new lead testing in school drinking water legislation?

The New York State Legislature recently passed a bill ([A10740/S8158](#)) which requires the Department to develop regulations to require all school districts and boards of cooperative educational services (BOCES)—collectively, “schools”—to test all potable water outlets for lead contamination, and to take responsive actions. Governor Cuomo signed the proposed legislation, and the DOH adopted emergency regulations, titled *Lead Testing in School Drinking Water* -10 NYCRR Subpart 67-4 (Subpart 67-4), on September 6, 2016.

2. Where can I find the regulations?

The regulation can be found at: http://health.ny.gov/regulations/emergency/docs/2016-09-06_lead_testing_in_school_drinking_water.pdf.

3. Are private schools required to conduct lead testing under this regulation?

No. Only NYS schools districts and boards of cooperative educational services (BOCES) are required to test for lead under this regulation.

4. Where must samples be collected?

Samples must be collected at all outlets within the school. An outlet is a potable water fixture currently or potentially used for drinking or cooking purposes, including but not limited to bubblers, drinking fountains and faucets. Faucets may be located anywhere on school property where drinking water is currently or potentially obtained, including but not limited to the athletic field.

5. Who can collect the samples?

Any individual who is familiar with the regulation's “first-draw” sampling protocol may collect samples. This includes but is not limited to a school staff member, a laboratory representative, or a consultant. The individual collecting the sample must be able to maintain quality assurance and control over the sampling, and must ensure the chain of custody of the water samples is maintained. However, the school is ultimately responsible for ensuring that the samples are correctly taken.

6. What is a “first-draw” sample?

A “first-draw” sample is a water sample that is collected from a cold water outlet before any water is used from that outlet. The water shall be motionless in the pipes for a minimum of 8 hours, but not more than 18 hours, before sample collection. The required sample volume for analysis of lead in school drinking water sample is 250 milliliters (mL).

7. What does the “water must be motionless” mean?

The water in the school facility must remain motionless in the plumbing for a minimum of 8 hours but no more than 18 hours. During this time period, no water can be used in the facility. This includes non-drinking water outlets, janitorial sinks, toilets, outside hoses and irrigation systems (unless the irrigation system is served by its own service line). This amount of time was established to ensure that the collected samples are representative of water that typically a student or faculty member may consume. Sampling should be conducted to reflect normal school operating conditions.

8. When does the school need to complete initial first-draw sampling?

By September 30, 2016, for any school serving children in any of the levels prekindergarten through grade five.

By October 31, 2016, for any school serving children in any of the levels grades six through twelve that are not also serving students in any of the levels prekindergarten through grade five.

Prior to occupancy for buildings put into service after September 6, 2016.

If your school performed sampling prior to September 6, 2016, please refer to FAQ #11.

9. Who can analyze the samples?

All drinking water samples must be analyzed by an environmental laboratory certified by the Department’s Environmental Laboratory Approval Program (ELAP) to conduct lead in drinking water analysis.

10. Where can we find a list of New York certified laboratories?

A listing of approved laboratories can be found at:

<http://www.wadsworth.org/regulatory/elap/certified-labs>

Once you click the above link, click on the following drop down boxes to narrow your search:

For lab type – select on commercial

For matrix – select potable water

For analyte – select lead, total

11. My school tested outlets prior to September 6, 2016. Are the results acceptable?

First-draw sampling conducted consistent with the requirements in Subpart 67-4 that occurred after January 1, 2015 will satisfy the initial first-draw sampling requirement.

If the sampling conducted prior to September 6, 2016 was not consistent with Subpart 67-4, but was in substantial compliance with the regulation, the school can apply for a waiver from the

testing requirements in Subpart 67-4. More information about the waiver process will be forthcoming.

12. Is sampling required for school buildings that are “lead-free”?

Any school building that is lead-free, as defined by 1417 of the Federal Safe Drinking Water Act, is exempt from sampling. A building can be deemed lead-free if: (1) it was built after January 4, 2014; or (2) a New York State licensed Professional Engineer or Architect certifies the building to be lead-free.

Note that schools must report a list of lead-free buildings on their website by October 31, 2016. By November 11, 2016, schools must report a list of lead-free buildings using the Department's designated statewide electronic reporting system.

13. Does Subpart 67-4 require schools to test for any other substances?

No. Only testing for lead is required of schools under this regulation.

14. What is the “action level” for lead in school drinking water under Subpart 67-4?

The action level for lead in school drinking water is 15 micrograms per liter (mcg/L) or parts per billion (ppb). That is also equivalent to 0.015 milligrams per liter (mg/L) or parts per million (ppm).

15. If the lead concentration of water at an outlet exceeds the action level under Subpart 67-4, what does the school need to do?

If the lead concentration of water at an outlet exceeds the action level, the school must:

- prohibit use of the outlet (take out of service or turn off) until:
 - (1) a lead remediation plan is implemented to mitigate the lead level of such outlet; and
 - (2) test results indicate that the lead levels are at or below the action level;
- provide building occupants with an adequate supply of potable water for drinking and cooking until remediation is performed;
- report the test results to the local health department as soon as practicable, but no more than 1 business day after the school received the laboratory report; and
- notify all staff and all persons in parental relation to students of the test results, in writing, as soon as practicable but no more than 10 business days after the school received the laboratory report; and, for results of tests performed prior to the effective date of this Subpart, within 10 business days of this regulation's effective date, unless such written notification has already occurred.

16. If an outlet has tested above the action level, can the water still be used for cleaning and handwashing?

Yes, the water can be used for handwashing and cleaning. Lead is not absorbed through the skin. Signage should be placed at non-drinking water outlets stating that water should not be used for drinking; only handwashing and cleaning. Pictures should be used if there are small children using the water outlets, and staff should ensure they understand what the signs mean and monitor to ensure that they don't drink the water.

17. After initial monitoring is complete, will there be periodic monitoring?

Yes. Schools must collect first-draw samples again in 2020, or at an earlier time as determined by the State Commissioner of Health. Sampling will be required at least every five years thereafter.

18. What are a school's public notification requirements?

Schools must list on their website:

- Any lead-free buildings by October 31, 2016,
- The results of all lead testing performed and lead remediation plans implemented as soon as practicable, but no more than 6 weeks after the school received the laboratory reports, and
- For schools that received lead testing results and implemented lead remediation plans in a manner consistent with the regulation, prior to September 6, 2016, the school shall make available such information, on the school's website, as soon as practicable, but by October 18, 2016.

19. What are a school's general reporting requirements?

Details on how to submit reports using the statewide electronic reporting system will be forthcoming. Schools must report using DOH's statewide electronic reporting system:

- As soon as practicable, but no later than November 11, 2016:
 - completion of all required first-draw sampling;
 - a list of all buildings that are determined to be lead-free, as defined in section 1417 of the Federal Safe Drinking Water Act.
 - for any outlets that were tested prior to September 6, 2016, and for which the school wishes to assert that such testing was in substantial compliance with Subpart 67-4, an attestation that:
 - the school conducted testing that substantially complied with the testing requirements, consistent with guidance issued by the DOH;
 - any needed remediation, including re-testing, has been performed;
 - the lead level in the potable water of the applicable building(s) is currently below the action level; and
 - the school has submitted a waiver request to the local health department, in accordance with the regulation; and
- As soon as practicable, but no more than 10 business days after the school received the laboratory reports, the school shall report data relating to test results to the Department, local health department, and State Education Department, through the Department's designated statewide electronic reporting system.

20. What are a school's recordkeeping requirements?

The school shall retain all records of test results, lead remediation plans, determinations that a building is lead-free, and waiver requests, for ten years following the creation of such documentation. Copies of such documentation shall be immediately provided to the Department, local health department, or State Education Department, upon request.

Lead in Schools and Lead and Copper Rule (LCR) for Public Water Systems (PWS)

21. What is the lead action level under the LCR for PWSs?

Under the federal LCR, the EPA also established an action level 15 mcg/L (micrograms per liter), which may also be expressed as 15 parts per billion (ppb), for lead in drinking water for public water supplies. The EPA's action level for the LCR, which is the same as DOH's action level under Subpart 67-4, serves as an indicator of the effectiveness of corrosion control treatment throughout the drinking water distribution system.

22. If my school has its own PWS and performs monitoring as part of the LCR, does the school need to do additional monitoring under Subpart 67-4?

Yes. Schools who have their own PWS are required to comply with the requirements of the LCR as well as with Subpart 67-4, Lead Testing in School Drinking Water.

23. If a school has its own PWS and took responsive actions after an exceedance of the action level under the LCR, is it still obligated to comply with Subpart 67-4?

Yes. The LCR and the NYS Lead in School Drinking Water regulation are two distinct and separate regulatory programs, and schools that are also designated as a PWS must also comply with Subpart 67-4.

Additional Information

24. Where can parents or others get more information about lead?

Additional information can be found on the Department's website at: http://www.health.ny.gov/environmental/lead/child_care_providers.htm. The Department will update this website as more information becomes available.

If you have further questions, please contact your local health department. Contact information is available at: http://health.ny.gov/environmental/water/drinking/doh_pub_contacts_map.htm.