



Elizabeth A. Rose
Chief Executive Officer
School Operations

52 Chambers Street
New York, NY 10007

212 374 7868 Tel
212 374 5588 Fax

September 4, 2018

Dear Families and Staff:

This is a follow-up to my **January 13, 2017** water test results notification letter. I am pleased to share we have successfully completed remediation work at **Edward R. Murrow HS - K** (Edward R. Murrow High School at 1600 Avenue L, Brooklyn, NY 11230) and on **June 13, 2018 and July 18, 2018**, the remediated fixtures were tested and the final laboratory results indicate that all samples taken and tested were below the action level of 15 ppb.

On **December 20, 2016 and June 13, 2018**, every operational source of water, including for drinking or preparing food, at **Edward R. Murrow HS - K** was tested for lead. The laboratory results showed elevated levels of lead in **68 of the 359 samples** of water taken and tested from outlets in the building. Each affected fixture at **Edward R. Murrow HS - K** was taken out of service on **January 13, 2017**, and the remediation work was completed.

In any building where lead test results show even one water outlet above the action level of 15 parts per billion (ppb), the DOE implements its standard response protocol, under which it removes any drinking or food prep outlet from service, flushes all or part of the system to eliminate water sitting in pipes overnight, replaces equipment and re-tests after the equipment is replaced. As part of our remediation protocols, fixture(s) that were out of order or inaccessible at the time of the initial testing were repaired and tested. All drinking or food prep fixtures are only put back in service once results of laboratory tests are below the action level of 15 ppb.

Out of an abundance of caution, the custodial staff will continue to flush the **Edward R. Murrow HS - K** water systems on Monday mornings before school starts in order to eliminate water that has been stagnant in pipes over the weekend and to ensure safe drinking water is available for students and staff.

A more detailed letter related to the testing for lead at **Edward R. Murrow HS - K** is attached, and complete test results are posted on the DOE website at <https://www.schools.nyc.gov/schools/K525>. Click Data and Reports and look for the Facilities Heading.

Please visit <https://www.schools.nyc.gov/about-us/reports/water-safety> to learn more about the robust protocol we use to ensure the safety of drinking water in each and every school, as well as to look up water test results for each school.

Thank you for your patience and support and we wish you and your students a wonderful semester.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Elizabeth A. Rose'.

Elizabeth A. Rose



A NOTICE TO PARENTS, GUARDIANS, AND STAFF

Edward R. Murrow HS - K

Edward R. Murrow High School

1600 Avenue L, Brooklyn, NY 11230

September 4, 2018

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.

What are the initial first draw testing elevation results?

Samples Collected on 12/20/2016				
Floor	Function / Space	Room	Fixture Type	Sample Results
01	Storage space	146	Hose Bib 1	55.80 ppb
01	Classroom	184	Hose Bib 1	70.00 ppb
01	Cafeteria	185	Bubbler 4	19.30 ppb
01	Gymnasium	1B	Bubbler 1	591.00 ppb
01	Gymnasium	G196	Cold Water Faucet 1	157.00 ppb
02	Classroom	203	Cold Water Faucet 1	809.00 ppb
02	Classroom	203	Cold Water Faucet 2	23.10 ppb
02	Bathroom	208B	Cold Water Faucet 1	23.90 ppb
02	Classroom	284A	Cold Water Faucet 1	726.00 ppb
02	Laboratory	288	Cold Water Faucet 1	15.20 ppb
02	Locker room	296C	Cold Water Faucet 1	97.00 ppb
03	Bathroom	308B	Cold Water Faucet 1	27.70 ppb
03	Classroom	362	Hose Bib 1	364.00 ppb
03	Classroom	364	Hose Bib 1	49.10 ppb
03	Classroom	387	Hose Bib 1	15.90 ppb
03	Classroom	387	Hose Bib 2	413.00 ppb
03	Classroom	387	Hose Bib 3	278.00 ppb
03	Classroom	387	Hose Bib 4	206.00 ppb



Samples Collected on 12/20/2016				
Floor	Function / Space	Room	Fixture Type	Sample Results
03	Classroom	388	Hose Bib 1	2550.00 ppb
03	Classroom	388	Hose Bib 2	262.00 ppb
03	Classroom	388	Hose Bib 5	943.00 ppb
03	Classroom	388	Hose Bib 6	402.00 ppb
03	Laboratory	388	Cold Water Faucet 1	22.00 ppb
03	Laboratory	388	Cold Water Faucet 2	125.00 ppb
03	Laboratory	388	Cold Water Faucet 3	822.00 ppb
03	Laboratory	388	Cold Water Faucet 4	43.40 ppb
03	Laboratory	391	Cold Water Faucet 1	23.50 ppb
03	Laboratory	391	Cold Water Faucet 2	15.60 ppb
03	Laboratory	391	Cold Water Faucet17	94.40 ppb
03	Laboratory	395B	Cold Water Faucet 1	155.00 ppb
03	Laboratory	395B	Cold Water Faucet 2	66.40 ppb
03	Laboratory	395B	Cold Water Faucet 3	65.10 ppb
03	Laboratory	395B	Cold Water Faucet 4	329.00 ppb
03	Laboratory	395B	Cold Water Faucet 5	447.00 ppb
03	Laboratory	395B	Cold Water Faucet 6	395.00 ppb
03	Laboratory	395Prep	Cold Water Faucet 2	109.00 ppb
03	Laboratory	399	Cold Water Faucet 2	16.10 ppb
03	Laboratory	399	Cold Water Faucet11	30.10 ppb
03	Laboratory	399	Cold Water Faucet12	44.10 ppb
03	Laboratory	399	Cold Water Faucet17	20.10 ppb
04	Office	403A	Cold Water Faucet 2	54.90 ppb
04	Classroom	405	Cold Water Faucet 2	17.00 ppb
04	Bathroom	408B	Cold Water Faucet 2	23.80 ppb
04	Bathroom	408G	Cold Water Faucet 2	17.40 ppb
04	Classroom	420	Cold Water Faucet 1	71.30 ppb
04	Classroom	420	Cold Water Faucet 2	34.30 ppb
04	Classroom	420A	Cold Water Faucet 3	92.60 ppb
04	Laboratory	420A	Cold Water Faucet 1	32.50 ppb
04	Laboratory	420A	Cold Water Faucet 2	143.00 ppb
04	Laboratory	420B	Cold Water Faucet 1	63.10 ppb
04	Laboratory	420B	Cold Water Faucet 2	18.20 ppb
04	Laboratory	420B	Cold Water Faucet 3	48.30 ppb
04	Classroom	424A	Cold Water Faucet 1	16.90 ppb
04	Classroom	424B	Cold Water Faucet 1	41.70 ppb



Samples Collected on 12/20/2016				
Floor	Function / Space	Room	Fixture Type	Sample Results
04	Classroom	428	Cold Water Faucet 5	25.00 ppb
04	Laboratory	450	Eye Wash Station 1	70.20 ppb
04	Laboratory	481	Eye Wash Station10	158.00 ppb
04	Laboratory	495	Cold Water Faucet 2	31.90 ppb
04	Laboratory	495A	Cold Water Faucet 1	122.00 ppb
04	Laboratory	495B	Cold Water Faucet 1	97.90 ppb
04	Gymnasium	4D	Bubbler 2	52.20 ppb
04	Gymnasium	4E	Bubbler 1	45.40 ppb
04	Gymnasium	4E	Bubbler 2	26.40 ppb
EX	Exterior	1	Hose Bib 1	39.30 ppb
EX	Exterior	18	Hose Bib 1	21.90 ppb
EX	Exterior	2	Hose Bib 1	51.00 ppb
EX	Exterior	9	Hose Bib 1	37.40 ppb

Samples Collected on 06/13/2018				
Floor	Function / Space	Room	Fixture Type	Sample Results
02	Hallway	249B	Bubbler 1	87.00 ppb

What are the post-remediation testing results?

Samples Collected on 06/13/2018					
Floor	Function / Space	Room	Fixture Type	First Draw Sample Results	Second Draw Sample Results
01	Cafeteria	185	Bubbler 4	1.80 ppb	NA*
01	Gymnasium	1B	Bubbler 1	<1.0 ppb	NA*
02	Classroom	203	Cold Water Faucet 2	3.34 ppb	NA*
02	Locker room	296C	Cold Water Faucet 1	<1.0 ppb	NA*
03	Bathroom	308B	Cold Water Faucet 1	1.69 ppb	NA*
04	Office	403A	Cold Water Faucet 2	13.80 ppb	NA*
04	Classroom	405	Cold Water Faucet 2	<1.0 ppb	NA*
04	Bathroom	408B	Cold Water Faucet 2	<1.0 ppb	NA*
04	Bathroom	408G	Cold Water Faucet 2	<1.0 ppb	NA*
04	Classroom	420A	Cold Water Faucet 3	<1.0 ppb	NA*
04	Classroom	424A	Cold Water Faucet 1	4.63 ppb	NA*
04	Classroom	428	Cold Water Faucet 5	1.54 ppb	NA*
04	Gymnasium	4D	Bubbler 2	6.31 ppb	NA*
04	Gymnasium	4E	Bubbler 1	9.35 ppb	NA*



Samples Collected on 07/18/2018					
Floor	Function / Space	Room	Fixture Type	First Draw Sample Results	Second Draw Sample Results
01	Gymnasium	G196	Cold Water Faucet 1	4.23 ppb	NA*
02	Bathroom	208B	Cold Water Faucet 1	10.70 ppb	NA*
02	Hallway	249B	Bubbler 1	<1.0 ppb	NA*
04	Classroom	420	Cold Water Faucet 1	9.92 ppb	NA*
04	Classroom	420	Cold Water Faucet 2	6.69 ppb	NA*
04	Classroom	424B	Cold Water Faucet 1	5.11 ppb	NA*
04	Gymnasium	4E	Bubbler 2	<1.0 ppb	NA*

*Second draw samples are only analyzed if first draw samples are above 15 ppb.

Notes				
Floor	Function / Space	Room	Fixture Type	Notes
02	Classroom	203	Cold Water Faucet 1	Fixture permanently removed from service
02	Classroom	284A	Cold Water Faucet 1	Fixture permanently removed from service

Out of Scope Fixtures				
Floor	Function / Space	Room	Fixture Type	Notes
01	Storage space	146	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
01	Classroom	184	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
02	Laboratory	288	Cold Water Faucet 1	Not a potable water source. Not used for cooking or drinking.
03	Classroom	362	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	364	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	387	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	387	Hose Bib 2	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	387	Hose Bib 3	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	387	Hose Bib 4	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	388	Hose Bib 1	Not a potable water source.

Out of Scope Fixtures				
Floor	Function / Space	Room	Fixture Type	Notes
				Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	388	Hose Bib 2	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	388	Hose Bib 5	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Classroom	388	Hose Bib 6	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
03	Laboratory	388	Cold Water Faucet 1	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	388	Cold Water Faucet 2	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	388	Cold Water Faucet 3	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	388	Cold Water Faucet 4	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	391	Cold Water Faucet 1	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	391	Cold Water Faucet 2	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	391	Cold Water Faucet17	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	395B	Cold Water Faucet 1	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	395B	Cold Water Faucet 2	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	395B	Cold Water Faucet 3	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	395B	Cold Water Faucet 4	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	395B	Cold Water Faucet 5	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	395B	Cold Water Faucet 6	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	395Prep	Cold Water Faucet 2	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	399	Cold Water Faucet 2	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	399	Cold Water Faucet11	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	399	Cold Water Faucet12	Not a potable water source. Not used for cooking or drinking.
03	Laboratory	399	Cold Water Faucet17	Not a potable water source.



Out of Scope Fixtures				
Floor	Function / Space	Room	Fixture Type	Notes
				Not used for cooking or drinking.
04	Laboratory	420A	Cold Water Faucet 1	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	420A	Cold Water Faucet 2	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	420B	Cold Water Faucet 1	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	420B	Cold Water Faucet 2	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	420B	Cold Water Faucet 3	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	450	Eye Wash Station 1	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	481	Eye Wash Station10	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	495	Cold Water Faucet 2	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	495A	Cold Water Faucet 1	Not a potable water source. Not used for cooking or drinking.
04	Laboratory	495B	Cold Water Faucet 1	Not a potable water source. Not used for cooking or drinking.
EX	Exterior	1	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
EX	Exterior	18	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
EX	Exterior	2	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.
EX	Exterior	9	Hose Bib 1	Not a potable water source. Not used for cooking or drinking. Only accessible to custodian by key.

*Please note Cold Water Faucets are only out of scope when they are located in laboratories.

What is being done in response to the results?

All drinking and cooking water outlets that tested with lead levels above the action level (15 ppb) were removed from service, and remediated.

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.

Do elevated lead levels in school drinking water pose a serious risk to students and staff?

The risk to students and staff is low for many reasons. The elevated lead levels identified by the recent round of water testing are not likely to represent the levels seen throughout the day. The recent testing was conducted on water that had remained in pipes overnight. The lead concentration drops sharply after the first use of the day as stagnant water is cleared from the pipes and new, fresh water is brought in from the water main – which is virtually lead-free. In addition, for most students and staff, the amount of water consumed from a school water source during a school day is likely to be small when compared to total daily water consumption. Many of the elevated water samples came from fixtures that are not typically used for drinking, including bathrooms, slop sinks, and laboratories. Given all of these factors it is unlikely that these elevations represent conditions that would pose a health risk, however, if a person drinks sufficiently large quantities of water at those high levels over long periods of time, the risk increases. Nonetheless, if you are concerned about exposure to lead, talk to your doctor about having you or your child tested for lead poisoning.

Who is at risk for lead poisoning?

Children under 3 years of age are the most susceptible and vulnerable to the health effects of lead. Lead also poses a risk to the developing fetus. Exposure to lead may interfere with a child's growth and development.

What do we know about rates of lead poisoning in NYC children?

Rates of lead poisoning among NYC children have been falling. In 2015, 5,371 New York City children younger than 6 years of age were identified with blood lead levels of 5 mcg/dL or greater. This represents an 18% decline from 2014 when there were 6,550 children with blood lead levels of 5 mcg/dL or greater, and an 86% decline since 2005 when there were 37,344 children with blood lead levels of 5mcg/dL or greater.

Additional Resources

For more information regarding the testing program or sampling results go to:

<https://www.schools.nyc.gov/about-us/reports/water-safety>

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.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).