



Elizabeth A. Rose
Deputy Chancellor
Division of Operations

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January 4, 2017

Dear Families and Staff:

This is a follow up to my December 19 letter outlining the additional measures the New York City Department of Education (DOE) is taking to ensure that the water in New York City schools is safe for students and staff.

On **December 3, 2016**, every potential source of water for drinking or preparing food at **P.S. 231 - Brooklyn** (P.S. K721 - Brooklyn Occupational Training Center at 360 36th Street Brooklyn, NY 11232) was tested for lead. The laboratory results showed elevated levels of lead in **4 of the 33 samples** of water taken and tested from outlets in the building. A more detailed letter related to the testing for lead at P.S. 231 is attached, and complete test results are posted on the DOE website.

In any building where lead test results show even one water outlet above the action level of 15 parts per billion, the DOE will implement its standard response protocol, under which it removes any such 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.

Each affected fixture at P.S. 231 will remain out of service until it is remediated and future testing shows that the water does not have an elevated level of lead. The custodial staff will also continue to flush the P.S. 231 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.

Please visit <http://schools.nyc.gov/AboutUs/schools/watersafety.htm> 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 their child's school.

We will keep you updated on the remediation work at P.S. 231, and thank you for your patience and support.

Sincerely yours,

A handwritten signature in black ink that reads 'Elizabeth A. Rose'. The signature is written in a cursive style with a large, stylized 'E' and 'R'.

Elizabeth A. Rose

A NOTICE TO PARENTS, GUARDIANS, AND STAFF
P.S. 231 – BROOKLYN: P.S. K721 - BROOKLYN OCCUPATIONAL TRAINING CENTER
360 36TH STREET BROOKLYN, NY 11232
LEAD TESTING OF SCHOOL DRINKING WATER
January 4, 2017

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 (µg/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 results of the first draw testing?

Samples Collected on 12/03/2016				
Floor	Function/ Space	Room	Fixture Type	Sample Results
01	Classroom	112	Bubbler 1	22 ppb
03	Classroom	310	Cold Water Faucet 1	16 ppb
03	Office	307	Cold Water Faucet 1	98 ppb
03	Office	308	Cold Water Faucet 1	77 ppb

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 are being 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.

Additional Resources

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

<http://schools.nyc.gov/AboutUs/schools/watersafety.htm>

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).

Client: NYC SCA
 30-30 Thompson Avenue
 Long Island City, NY 11101

Report No.: 2166584
Project No.: 47933
Lab Batch: C11328

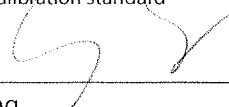
Project: PS 231 Brooklyn (K231)
 360 36 Street
 Brooklyn, NY

Sampled: 12/3/16
Received: 12/3/16
Analyzed: 12/4/16
Reported: 12/5/16

**Analytical Report for
 Lead in Potable Water by EPA 200.9**

Item	Catalog ID	Floor	Function/Space	Closet /Room	Fixture Type	Sample Type	MDL (µg/L)	Lead (µg/L)
1	k231BSBR000B12.1F-001	BS	ADULT BATHROOM	B12	COLD WATER FAUCET 1	Initial	1.0	<1.0
2	k231BSBR000B13.1F-002	BS	ADULT BATHROOM	B13	COLD WATER FAUCET 1	Initial	1.0	<1.0
3	k231BSBB000B10.1F-003	BS	BOYS BATHROOM	B10	COLD WATER FAUCET 1	Initial	1.0	<1.0
4	k231BSGB0000B9.1F-004	BS	GIRLS BATHROOM	B9	COLD WATER FAUCET 1	Initial	1.0	6.3
5	k231BSHA0000B9.1B-005	BS	HALLWAY	B9	BUBBLER 1	Initial	1.0	<1.0
6	k231BSHA0000B9.2B-006	BS	HALLWAY	B9	BUBBLER 2	Initial	1.0	1.1
7	k23101BR000113.1F-007	01	ADULT BATHROOM	113	COLD WATER FAUCET 1	Initial	1.0	<1.0
8	k23101BR000114.1F-008	01	ADULT BATHROOM	114	COLD WATER FAUCET 1	Initial	1.0	<1.0
9	k23101BB000102.1F-009	01	BOYS BATHROOM	102	COLD WATER FAUCET 1	Initial	1.0	<1.0
10	k23101CR000112.1B-010	01	CLASSROOM	112	BUBBLER 1	Initial	1.0	22

*Result exceeds the highest calibration standard



 Li Tsang
 Laboratory Director

LT:se

The analytical results relate only to the samples tested in the condition received by the laboratory. This report must not be reproduced except in its entirety unless with the laboratory's written approval.

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 30-30 Thompson Avenue
 Long Island City, NY 11101

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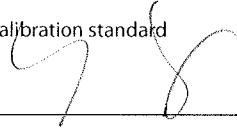
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**Analytical Report for
 Lead in Potable Water by EPA 200.9**

Item	Catalog ID	Floor	Function/Space	Closet /Room	Fixture Type	Sample Type	MDL (µg/L)	Lead (µg/L)
11	k23101CR000112.1F-011	01	CLASSROOM	112	COLD WATER FAUCET 1	Initial	1.0	<1.0
12	k23101GB000103.1F-012	01	GIRLS BATHROOM	103	COLD WATER FAUCET 1	Initial	1.0	<1.0
13	k23101HA000105.1B-013	01	HALLWAY	105	BUBBLER 1	Initial	1.0	5.7
14	k23101HA000105.2B-014	01	HALLWAY	105	BUBBLER 2	Initial	1.0	5.0
15	k23101OF000108.1F-015	01	OFFICE	108	COLD WATER FAUCET 1	Initial	1.0	3.9
16	k23101TC000111.1F-016	01	TEACHERS CAFETERIA	111	COLD WATER FAUCET 1	Initial	1.0	<1.0
17	k23102BR000218.1F-017	02	ADULT BATHROOM	218	COLD WATER FAUCET 1	Initial	1.0	<1.0
18	k23102BR000220.1F-018	02	ADULT BATHROOM	220	COLD WATER FAUCET 1	Initial	1.0	1.4
19	k23102BB000205.1F-019	02	BOYS BATHROOM	205	COLD WATER FAUCET 1	Initial	1.0	<1.0
20	k23102CR000212.1F-020	02	CLASSROOM	212	COLD WATER FAUCET 1	Initial	1.0	2.2

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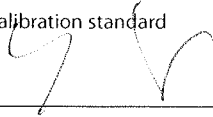
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**Analytical Report for
 Lead in Potable Water by EPA 200.9**

Item	Catalog ID	Floor	Function/Space	Closet /Room	Fixture Type	Sample Type	MDL (µg/L)	Lead (µg/L)
21	k23102GB000203.1F-021	02	GIRLS BATHROOM	203	COLD WATER FAUCET 1	Initial	1.0	<1.0
22	k23102MO000221.1F-022	02	MEDICAL OFFICE	221	COLD WATER FAUCET 1	Initial	1.0	4.6
23	k23102OF000219.1F-023	02	OFFICE	219	COLD WATER FAUCET 1	Initial	1.0	<1.0
24	k23103BR000321.1F-024	03	ADULT BATHROOM	321	COLD WATER FAUCET 1	Initial	1.0	<1.0
25	k23103BR000323.1F-025	03	ADULT BATHROOM	323	COLD WATER FAUCET 1	Initial	1.0	<1.0
26	k23103BB000305.1F-026	03	BOYS BATHROOM	305	COLD WATER FAUCET 1	Initial	1.0	<1.0
27	k23103CR000310.1F-027	03	CLASSROOM	310	COLD WATER FAUCET 1	Initial	1.0	16
28	k23103GB000303.1F-028	03	GIRLS BATHROOM	303	COLD WATER FAUCET 1	Initial	1.0	<1.0
29	k23103HA000309.1B-029	03	HALLWAY	309	BUBBLER 1	Initial	1.0	<1.0
30	k23103HA000309.2B-030	03	HALLWAY	309	BUBBLER 2	Initial	1.0	<1.0

*Result exceeds the highest calibration standard



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Project: PS 231 Brooklyn (K231)
 360 36 Street
 Brooklyn, NY

Sampled: 12/3/16
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Analyzed: 12/4/16
Reported: 12/5/16

**Analytical Report for
 Lead in Potable Water by EPA 200.9**

Item	Catalog ID	Floor	Function/Space	Closet /Room	Fixture Type	Sample Type	MDL (µg/L)	Lead (µg/L)
31	k23103OF000302.1F-031	03	OFFICE	302	COLD WATER FAUCET 1	Initial	1.0	<1.0
32	k23103OF000307.1F-033	03	OFFICE	307	COLD WATER FAUCET 1	Initial	1.0	98*
33	k23103OF000308.1F-034	03	OFFICE	308	COLD WATER FAUCET 1	Initial	1.0	77*

*Result exceeds the highest calibration standard



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CONSULTANT INFORMATION

Name: NY Environmental
Address: 88 Harbor Road Pt Wash
Project Manager: Baudo

PROJECT INFORMATION

BLDG ID: K231
BLDG Name: P.S. 231 - BROOKLYN
Address: 360 36 STREET, BROOKLYN, NY
WO NYE Proj

TABLE OUTLET LEGEND

INACCESSIBLE I
OUT-OF-ORDER O
YELLOW TAG T
MISCELLANEOUS M

47933

Acid 12-3-16 pg 1

33

	LEAD			LEAD	
1	1ST COC k231 BS FL ADULT BATHROOM 000B12 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0735	LI.0	I O T M	1ST COC k231 01 FL ADULT BATHROOM 000113 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0746	7 LI.0
2	1ST COC k231 BS FL ADULT BATHROOM 000B13 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0734	LI.0	I O T M	1ST COC k231 01 FL ADULT BATHROOM 000114 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0748	8 LI.0
3	1ST COC k231 BS FL BOYS BATHROOM 000B10 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0739	LI.0	I O T M	1ST COC k231 01 FL BOYS BATHROOM 000102 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0750	9 LI.0
4	1ST COC k231 BS FL GIRLS BATHROOM 0000B9 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0741	6.3	I O T M	1ST COC k231 01 FL CLASSROOM 000112 BUBBLER 1 DATE 12-3-16 TIME 0752	10 22
5	1ST COC k231 BS FL HALLWAY 0000B9 BUBBLER 1 DATE 12-3-16 TIME 0743	LI.0	I O T M	1ST COC k231 01 FL CLASSROOM 000112 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0754	11 LI.0
6	1ST COC k231 BS FL HALLWAY 0000B9 BUBBLER 2 DATE 12-3-16 TIME 0744	1.1	I O T M	1ST COC k231 01 FL GIRLS BATHROOM 000103 COLD WATER FAUCET 1 DATE 12-3-16 TIME 0756	12 LI.0

CHAIN OF CUSTODY

Relinquished By:	Received By:	Date:	Time:
1 Mon	Li (Sany)	12-3-2016	1100
2			
3			

INSTRUCTIONS TO LABORATORY: Please email results to:

LABORATORY INFORMATION

Laboratory Name: NY Environmental	Method of Analysis: 200.9 REV 2.2
Analyzed By:	Date:
Note: No sample submitted if "I", "O", "T", or "M" check-marked.	Time:
	Preservative: None
	Sample Size: 250 mL

2166584



C 1 1 3 2 8

pg 2

CONSULTANT INFORMATION

Name: NY Environmental
 Address: 88 Harbor Road Pt Wash
 :Project Manager Baudo


PROJECT INFORMATION


:BLDG ID K231
 :BLDG Name P.S. 231 - BROOKLYN
 :Address 360 36 STREET, BROOKLYN, NY
 # WO NYE Proj #

TABLE OUTLET LEGEND


INACCESSIBLE	I
OUT-OF-ORDER	O
YELLOW TAG	T
MISCELLANEOUS	M


13

1ST COC K231 01 FL HALLWAY 000105 BUBBLER 1	LEAD	5.7	I O T M
 DATE 12-3-16 TIME 0758			


1ST COC K231 02 FL BOYS BATHROOM 000205 COLD WATER FAUCET 1	LEAD	19	I O T M
 DATE 12-3-16 TIME 0809		<1.0	

14

1ST COC K231 01 FL HALLWAY 000105 BUBBLER 2	LEAD	5.0	I O T M
 DATE 12-3-16 TIME 0759			


1ST COC K231 02 FL CLASSROOM 000212 COLD WATER FAUCET 1	LEAD	20	I O T M
 DATE 12-3-16 TIME 0811		2.2	


15

1ST COC K231 01 FL OFFICE 000108 COLD WATER FAUCET 1	LEAD	3.9	I O T M
 DATE 12-3-16 TIME 0801			


1ST COC K231 02 FL GIRLS BATHROOM 000203 COLD WATER FAUCET 1	LEAD	21	I O T M
 DATE 12-3-16 TIME 0813		<1.0	


16

1ST COC K231 01 FL TEACHERS CAFETERIA 000111 COLD WATER FAUCET 1	LEAD	<1.0	I O T M
 DATE 12-3-16 TIME 0803			

1ST COC K231 02 FL MEDICAL OFFICE 000221 COLD WATER FAUCET 1	LEAD	2.2	I O T M
 DATE 12-3-16 TIME 0815		4.6	

17

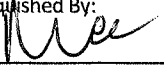
1ST COC K231 02 FL ADULT BATHROOM 000218 COLD WATER FAUCET 1	LEAD	<1.0	I O T M
 DATE 12-3-16 TIME 0805			

1ST COC K231 02 FL OFFICE 000219 COLD WATER FAUCET 1	LEAD	23	I O T M
 DATE 12-3-16 TIME 0817		<1.0	

18

1ST COC K231 02 FL ADULT BATHROOM 000220 COLD WATER FAUCET 1	LEAD	1.4	I O T M
 DATE 12-3-16 TIME 0807			

1ST COC K231 03 FL ADULT BATHROOM 000321 COLD WATER FAUCET 1	LEAD	24	I O T M
 DATE 12-3-16 TIME 0819		<1.0	

Relinquished By:	Received By:	Date:	Time:
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2			
3			

INSTRUCTIONS TO LABORATORY: Please email results to:

LABORATORY INFORMATION

Laboratory Name: NY Environmental	Method of Analysis: 200.9 REV 2.2	
Analyzed By:	Date:	Time:
Note: No sample submitted if "I", "O", "T", or "M" check-marked.	Preservative: None	Sample Size: 250 mL

CONSULTANT INFORMATION







Name: NY Environmental
 Address: 88 Harbor Road Pt Wash
 :Project Manager Baudo

PROJECT INFORMATION

:BLDG ID K231
 :BLDG Name P.S. 231 - BROOKLYN
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TABLE OUTLET LEGEND

INACCESSIBLE	I
OUT-OF-ORDER	O
YELLOW TAG	T
MISCELLANEOUS	M

	LEAD			LEAD	
25	<1.0	I O T M	1ST COC k231 03 FL ADULT BATHROOM 000323 COLD WATER FAUCET 1  DATE 12-3-16 TIME 08 21	3.1 <1.0	I O T M
26	<1.0	I O T M	1ST COC k231 03 FL BOYS BATHROOM 000305 COLD WATER FAUCET 1  DATE 12-3-16 TIME 08 23	32 32 NS	I O T M
27	16	I O T M	1ST COC k231 03 FL CLASSROOM 000310 COLD WATER FAUCET 1  DATE 12-3-16 TIME 08 25	33 98 ^{NS}	I O T M
28	<1.0	I O T M	1ST COC k231 03 FL GIRLS BATHROOM 000303 COLD WATER FAUCET 1  DATE 12-3-16 TIME 08 27	77 ^{NS} 34	I O T M
29	<1.0	I O T M	1ST COC k231 03 FL HALLWAY 000309 BUBBLER 1  DATE 12-3-16 TIME 08 30	33	I O T M
30	<1.0	I O T M	1ST COC k231 03 FL HALLWAY 000309 BUBBLER 2  DATE 12-3-16 TIME 08 31		I O T M

CHAIN OF CUSTODY

Relinquished By:	Received By:	Date:	Time:
1 <i>Mor</i>			
2			
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