

Byram Hills Central School District
10 Tripp Lane
Armonk, New York 10504

Lead in Water Remedial Action Plan

Emergency Directive - September 2016

NYS adopted an emergency regulation which required school districts to sample ALL water outlets for lead. School Districts were required to post, on the District's website, the results of the water testing which listed the number of outlets tested, the number of outlets which exceeded the action level threshold of 15 parts per billion (ppb) and the location of the outlets which exceeded the action level threshold of 15 ppb.

Final Regulations - May 2018

NYS adopted the final regulations regarding lead in water testing in schools which allows the Superintendent of Schools to re-identify which water outlets within a school building meet the regulation criteria for sampling.

Science laboratory faucets, outside hose bibs, and other water outlets fall outside of the scope of the regulation because these water outlets are not used for drinking or cooking.

Byram Hills High School

There were originally 170 outlets which were tested at the Byram Hills High School and reported on the NYS Health Electronic Response Data System (HERDS). It was also originally reported that 45 of those samples had a lead concentration above the 15 ppb. The following BHHS Table provides details regarding the date of sampling, sample identification, sample location and laboratory results for the 45 outlets that exceed the action level of 15 ppb.

Outlets on the BHHS Table that are marked with an asterisk (*) indicate that these water outlets have been re-identified, in accordance with the final regulation, and no longer meet the regulation criteria for sampling. They are included in the remedial plan, but are no longer recorded on the HERDS. The District updated its information on the HERDS to reflect the change in the number of outlets tested (132) and the number of outlets that exceed the 15 ppb action level (7).

BHHS

Date	Sample ID	Floor	Location	Lead Level (ppb)
10/15/16	BHHS-24	1st	Prep Sink (right side) in Kitchen at Pot Filler	33.4
10/15/16	BHHS-39	1st	Sink in Room 111 (#1) *	403
10/15/16	BHHS-40	1st	Sink in Room 111 (#2) *	794
10/15/16	BHHS-41	1st	Sink in Room 111 (#3) *	26.4
10/15/16	BHHS-42	1st	Sink in Room 111 (#4) *	629
10/15/16	BHHS-43	1st	Sink in Room 111 (#5) *	33.8
10/15/16	BHHS-44	1st	Sink in Teacher's Chemical Storage for Room 111 *	160
10/15/16	BHHS-45	1st	Sink in Room 112A *	87.8
10/15/16	BHHS-46	1st	Sink in Room 112 (#1) *	15.4
10/15/16	BHHS-47	1st	Sink in Room 112 (#2) *	18.3
10/15/16	BHHS-49	1st	Sink in Room 112 (#4) *	17.2
10/15/16	BHHS-50	1st	Sink in Room 112 (#5) *	16.6
10/15/16	BHHS-52	1st	Sink in Room 109 (Kitchen)	289
10/15/16	BHHS-57	1st	Sink in Room 208 (Science Office Kitchen)	28.9
10/15/16	BHHS-60	1st	Sink in Room 209 (#3) *	18.3
10/15/16	BHHS-61	1st	Sink in Room 209 (#4) *	25.0
10/15/16	BHHS-62	1st	Sink in Room 209 (#6) *	329
10/15/16	BHHS-63	1st	Sink in Room 210 (#1) *	17.6
10/15/16	BHHS-65	1st	Sink in Room 210 (#3) *	15.0

10/15/16	BHHS-67	1st	Sink in Room 210 (#5) *	27.3
10/15/16	BHHS-68	1st	Sink in Room 211 (#1) *	70.5
10/15/16	BHHS-69	1st	Sink in Room 211 (#2) *	22.7
10/15/16	BHHS-70	1st	Sink in Room 211 (#3) *	35.2
10/15/16	BHHS-73	1st	Sink in Room 211 (#6) *	19.0
10/15/16	BHHS-78	1st	Sink (left side) in Storage Room 310A *	28.1
10/15/16	BHHS-79	1st	Sink (right side) in Storage Room 310A *	25.4
10/15/16	BHHS-111	1st	Sink (left side) in Prep Room between 313 and 311 *	44.8
10/15/16	BHHS-113	1st	Ice Machine in Prep Room between 313 and 311	1,120
10/15/16	BHHS-120	1st	Wash Sink in Room 311 (#4)	16.2
10/15/16	BHHS-130	1st	Sink in Room 309 at Fume Hood *	26.0
10/15/16	BHHS-143	1st	Wash Sink in Room 309	56.1
10/15/16	BHHS-144	1st	Sink (left side) in Prep Room between 309 and 307 *	326
10/15/16	BHHS-145	1st	Sink (right side) in Prep Room between 309 and 307 *	110
10/15/16	BHHS-146	1st	Sink (#1 station, left side) in Room 307 *	27.1
10/15/16	BHHS-147	1st	Sink (#1 station, right side) in Room 307 *	73.5
10/15/16	BHHS-148	1st	Sink (#2 station, left side) in Room 307 *	213
10/15/16	BHHS-149	1st	Sink (#2 station, right side) in Room 307 *	904
10/15/16	BHHS-150	1st	Si (#3 station, left side) in Room 307 *	30.2
10/15/16	BHHS-151	1st	Sink (#3 station, right side) in Room 307 *	15.5
10/15/16	BHHS-152	1st	Wash Sink in Room 307 (#4)	28.5
10/15/16	BHHS-154	1st	Sink (#5 station, right side) in Room 307 *	16.8

10/15/16	BHHS-155	1st	Sink (#6 station, left side) in Room 307 *	23.5
10/15/16	BHHS-156	1st	Sink (#6 station, right side) in Room 307 *	31.7
10/15/16	BHHS-157	1st	Sink (#7 station, left side) in Room 307 *	16.5
10/15/16	BHHS-159	1st	Sink in Room 307 at Fume Hood *	48.7

Remedial Plan:

- For each water outlet listed in the BHHS Table: Install signage adjacent to each water outlet. The signage must state “Not for Drinking” and include a picture, such as a cup with a line through it.
- Education: twice each school year (September and February) Science Teachers, utilizing Rooms 111, 112A, 112, 209, 210, 211, 307, and science prep rooms 311, 313, 309, 307, will instruct their students that the water outlets in these classrooms are not to be used for drinking.
- Replace ice machine.
- Replace right side faucet in prep sink (pot filler) in the kitchen.

Long Range Plan:

- Install a water filter system in Room 109 (Kitchen), Room 208 (Science Office Kitchen) and wash sinks in Rooms 307, 309 and 311.
- Replace fixtures/piping in Room 109 (Kitchen), Room 208 (Science Office Kitchen) and wash sinks in Rooms 307, 309 and 311.

H.C. Crittenden Middle School

There were originally 120 outlets which were tested at the H.C. Crittenden Middle School and reported on the NYS Health Electronic Response Data System (HERDS). It was also originally reported that 53 of those samples had a lead concentration above the 15 ppb. The following HCC Table provides details regarding the date of sampling, sample identification, sample location and laboratory results for the 53 outlets that exceed the action level of 15 ppb.

Outlets on the HCC Table that are marked with an asterisk (*) indicate that these water outlets have been re-identified, in accordance with the final regulation, and no longer meet the regulation criteria for sampling. They are included in the remedial plan, but are no longer recorded on the HERDS. The District updated its information on the HERDS to reflect the change in the number of outlets tested (72) and the number of outlets that exceed the 15 ppb action level (5).

HCC

Date	Sample ID	Floor	Location	Lead Level (ppb)
10/15/16	HCMS-06	1st	Sink in Room 145	54.0
10/15/16	HCMS-10	1st	Sink in District Sp. Ed. Kitchenette	18.3
10/15/16	HCMS-11	1st	Sink in Room 143 Teacher's Desk *	17.8
10/15/16	HCMS-16	1st	Sink in Room 142 Teacher's Desk *	26.1
10/15/16	HCMS-20	1st	Sink in Girls Locker Room 119	72.0
10/15/16	HCMS-29	1st	Sink in Room 105	17.2
10/15/16	HCMS-32	1st	Sink in Room 109 (2nd from Left) *	22.7
10/15/16	HCMS-33	1st	Sink in Room 109 (Third from Left) *	16.1
10/15/16	HCMS-34	1st	Sink in Room 109 (Fourth from Left) *	16.2
10/15/16	HCMS-40	1st	Sink in Room 109 (Tenth from Left) *	15.6
10/15/16	HCMS-42	1st	Sink in Room 109 (Twelfth from Left) *	15.8
10/15/16	HCMS-44	1st	Sink in Room 109 (Fourteenth from Left) *	19.5
10/15/16	HCMS-54	1st	Sink in Room 102 (Ninth from Left) *	21.4
10/15/16	HCMS-55	1st	Sink in Room 102 (Tenth from Left) *	19.6
10/15/16	HCMS-56	1st	Sink in Room 102 (Eleventh from Left) *	17.6
10/15/16	HCMS-58	1st	Sink in Room 102 (Thirteenth from Left) *	19.2
10/15/16	HCMS-59	1st	Sink in Room 102 (Fourteenth from Left) *	28.8
10/15/16	HCMS-60	1st	Sink Between Rooms 102 & 103 *	23.6
10/15/16	HCMS-61	1st	Sink in Room 108 (First from Left) *	23.9

10/15/16	HCMS-62	1st	Sink in Room 108 (Second from Left) *	44.0
10/15/16	HCMS-63	1st	Sink in Room 108 (Third from Left) *	17.6
10/15/16	HCMS-65	1st	Sink in Room 108 (Fifth from Left) *	17.5
10/15/16	HCMS-66	1st	Sink in Room 108 (Sixth from Left) *	18.3
10/15/16	HCMS-68	1st	Sink in Room 108 (Eighth from Left) *	17.8
10/15/16	HCMS-69	1st	Sink in Room 108 (Ninth from Left) *	19.2
10/15/16	HCMS-70	1st	Sink in Room 108 (Tenth from Left) *	15.8
10/15/16	HCMS-71	1st	Sink in Room 108 (Eleventh from Left) *	21.0
10/15/16	HCMS-72	1st	Sink in Room 108 (Twelfth from Left) *	17.3
10/15/16	HCMS-73	1st	Sink in Room 108 (Thirteenth from Left) *	17.8
10/15/16	HCMS-74	1st	Sink in Room 108 (Fourteenth from Left) *	18.9
10/15/16	HCMS-76	1st	Sink in Room 103 (Second from Left) *	19.1
10/15/16	HCMS-77	1st	Sink in Room 103 (Third from Left) *	18.2
10/15/16	HCMS-78	1st	Sink in Room 103 (Fourth from Left) *	22.7
10/15/16	HCMS-80	1st	Sink in Room 103 (Sixth from Left) *	23.3
10/15/16	HCMS-82	1st	Sink in Room 103 (Eighth from Left) *	21.1
10/15/16	HCMS-86	1st	Sink in Room 103 (Twelfth from Left) *	17.5
10/15/16	HCMS-87	1st	Sink in Room 103 (Thirteenth from Left) *	
10/15/16	HCMS-90	1st	Sink in Room 107 (First from Left) *	16.8 51.8
10/15/16	HCMS-91	1st	Sink in Room 107 (Second from Left) *	36.7
10/15/16	HCMS-92	1st	Sink in Room 107 (Third from Left) *	26.3
10/15/16	HCMS-93	1st	Sink in Room 107 (Fourth from Left) *	42.5

10/15/16	HCMS-94	1st	Sink in Room 107 (Fifth from Left) *	26.5
10/15/16	HCMS-95	1st	Sink in Room 107 (Sixth from Left) *	47.7
10/15/16	HCMS-96	1st	Sink in Room 107 (Seventh from Left) *	26.3
10/15/16	HCMS-97	1st	Sink in Room 107 (Eighth from Left) *	30.7
10/15/16	HCMS-98	1st	Sink in Room 107 (Ninth from Left) *	32.9
10/15/16	HCMS-99	1st	Sink in Room 107 (Tenth from Left) *	59.6
10/15/16	HCMS-100	1st	Sink in Room 107 (Eleventh from Left) *	21.5
10/15/16	HCMS-101	1st	Sink in Room 107 (Twelfth from Left) *	28.9
10/15/16	HCMS-102	1st	Sink in Room 107 (Thirteenth from Left) *	19.1
10/15/16	HCMS-103	1st	Sink in Room 107 (Fourteenth from Left) *	32.7
10/15/16	HCMS-104	1st	Sink in Room 107 (Fifteenth from Left) *	29.0
10/15/16	HCMS-116	1st	Sink in Room 150 -Right by Closet	15.6

Remedial Plan:

- For each water outlet listed in the HCC Table: Install signage adjacent to each water outlet. The signage must state “Not for Drinking” and include a picture, such as a cup with a line through it.
- Education: twice each school year (September and February) Science Teachers, utilizing Rooms 102, 103, 107, 108, 109 and prep space between Rooms 102 and 103 will instruct their students that the water outlets in these classrooms are not to be used for drinking.

Long Range Plan:

- Install a water filter system in Room 105, Room 145, Room 150, Sp. Ed. Kitchenette and Girls Locker Room 119 wash sink.
- Replace fixtures/piping in Room 105, Room 145, Room 150, Sp. Ed. Kitchenette and Girls Locker Room 119 wash sink.

Wampus Elementary School

There were originally 105 outlets which were tested at the Wampus Elementary School and reported on the NYS Health Electronic Response Data System (HERDS). It was also originally reported that 31 of those samples had a lead concentration above the 15 ppb. The following WAMPUS Table provides details regarding the date of sampling, sample identification, sample location and laboratory results for the 31 outlets that exceed the action level of 15 ppb.

As indicated on the WAMPUS Table, 6 drinking fountains have been removed, 2 drinking fountains have been shut off, 1 sink has been shut off and 2 hose bibs have been shut off. These water outlets have been re-identified, in accordance with the final regulation, and no longer meet the regulation criteria for sampling. With the exception of the 6 drinking fountains that have been removed, they are included in the remedial plan. All 11 of these water outlets are no longer recorded on the HERDS. The District updated its information on the HERDS to reflect the change in the number of outlets tested (94) and the number of outlets that exceed the 15 ppb action level (20).

WAMPUS

Date	Sample ID	Floor	Location	Lead Level (ppb)
09/17/16	11-WES	1st	Sink in Boiler Room (Shut off)	35.1
09/17/16	14-WES	1st	Sink (left side) in Girls' Restroom	413
09/17/16	15-WES	1st	Sink (middle) in Girls' Restroom	4370
09/17/16	16-WES	1st	Sink (right side) in Girls' Restroom	361
09/17/16	17-WES	1st	Sink in Lab	167
09/17/16	18-WES	1st	Drinking Fountain in Room 9 (Removed)	37.1
09/17/16	19-WES	1st	Sink in Room 9	18.8
09/17/16	20-WES	1st	Drinking Fountain in Room 10 (Removed)	26.9
09/17/16	21-WES	1st	Sink in Room 10	54.1
09/17/16	22-WES	1st	Drinking Fountain in Room 11 (Removed)	19.5
09/17/16	23-WES	1st	Sink in Room 11	29.2
09/17/16	24-WES	1st	Sink in Room 18 Work Room	17.1

09/17/16	25-WES	1st	Sink in Room 12 (drinking fountain not working) (Removed)	30.5
09/17/16	26-WES	1st	Sink in Room 13	41.4
09/17/16	27-WES	1st	Drinking Fountain in Room 14 (Removed)	17.8
09/17/16	28-WES	1st	Sink in Room 14	15.1
09/17/16	29-WES	1st	Drinking Fountain in Room 15 (Removed)	26.1
09/17/16	44-WES	1st	Sink (right side) in Room 43	46.7
09/17/16	45-WES	1st	Sink (left side) in Room T17 Girls' Restroom	184
09/17/16	46-WES	1st	Sink (middle) in Room T17 Girls' Restroom	147
09/17/16	47-WES	1st	Sink (right side) in Room T17 Girls' Restroom	92.4
09/17/16	50-WES	1st	Sink (middle) in Room T18 Boys' Restroom	74.9
09/17/16	51-WES	1st	Sink (right side) in Room T18 Boys' Restroom	56.8
09/17/16	52-WES	1st	Drinking Fountain in Room 42 (Shut off)	32.3
09/17/16	55-WES	1st	Sink (left side) in Room 41	43.2
09/17/16	63-WES	1st	Sink (left side) in Room T7 Boys' Restroom	107
09/17/16	64-WES	1st	Sink (middle) in Room T7 Boys' Restroom	20.6
09/17/16	65-WES	1st	Sink (right side) in Room T7 Boys' Restroom	16.1
09/17/16	66-WES	1st	Drinking Fountain on Stage (Shut off)	34.1
09/17/16	104-WES	1st	Hose bib (next to the field) Outside (Shut off)	15.5
09/17/16	105-WES	1st	Hose bib (near room 14) Outside (Shut off)	97.9

Remedial Plan:

- For each water outlet listed in the WAMPUS Table: Install signage adjacent to each water outlet. The signage must state “Not for Drinking” and include a picture, such as a cup with a line through it.
- Education: twice each school year (September and February) Classroom Teachers will instruct their students that the water outlets in the classrooms and restrooms are not to be used for drinking.

Long Range Plan:

- Install a water filter system in Rooms 9, 10, 11, 13, 14, 18, 41, 43 and the lab.
- Install water filters in the 11 restrooms that exceed the 15 ppb action level.
- Replace fixtures/piping in Rooms 9, 10, 11, 13, 14, 18, 41, 43, the lab and the 11 restrooms that exceed the 15 ppb action level.

Coman Hill Elementary School

There were originally 98 outlets which were tested at the Coman Hill Elementary School and reported on the NYS Health Electronic Response Data System (HERDS). It was also originally reported that 10 of those samples had a lead concentration above the 15 ppb. The following COMAN HILL Table provides details regarding the date of sampling, sample identification, sample location and laboratory results for the 10 outlets that exceed the action level of 15 ppb.

As indicated on the COMAN HILL Table, 2 drinking fountains have been shut off and one sink is in a locked storage room not accessible to children. These outlets have been re-identified, in accordance with the final regulation, and no longer meet the regulation criteria for sampling. They are included in the remedial plan, but are no longer recorded on the HERDS. The District updated its information on the HERDS to reflect the change in the number of outlets tested (95) and the number of outlets that exceed the 15 ppb action level (7).

COMAN HILL

Date	Sample ID	Floor	Location	Lead Level (ppb)
9/17/16	CHES-03	1st	Sink -Room 109	29.7
9/17/16	CHES-09	1st	Drinking Fountain - Room 6 (Shut off)	16.1
9/17/16	CHES-10	1st	Drinking Fountain- Room 7 (Shut off)	21.6
9/17/16	CHES-17	1st	Sink -Room 19	16.5
9/17/16	CHES-18	1st	Sink - Room 18	16.5

9/17/16	CHES-21	1st	Sink - Room 15 (Storage in accessible to students)	92.3
9/17/16	CHES-70	1st	Back Left Hand Prep Sink	19.9
9/17/16	CHES-83	1st	Teacher Sink Inside Rm 29	21.4
9/17/16	CHES-85	1st	Right Hand Back Wall Rm 29	16.4
9/17/16	CHES-88	1st	Teachers Faucet Rm 30	47.5

Remedial Plan:

- For each water outlet listed in the COMAN HILL Table: Install signage adjacent to each water outlet. The signage must state “Not for Drinking” and include a picture, such as a cup with a line through it.
- Education: twice each school year (September and February) Classroom Teachers, utilizing Rooms 18, 19, 29, 30, 109 and the back left hand prep sink will instruct their students that the water outlets in these classrooms are not to be used for drinking.
- Replace the back left hand prep faucet.

Long Range Plan:

- Install a water filter system in Rooms 18, 19, 29, 30 and 109.
- Replace fixtures/piping in Rooms 18, 19, 29, 30 and 109.