



architects + engineers

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January 27, 2017

Mr. Kevin Kennedy
Plant Facilities Administrator
South Huntington Union Free School District
60 Weston Street
South Huntington, NY 11747

RE: District-wide Drinking Water Testing for Lead @ Lavatories
Analysis Report

Dear Mr. Kennedy:

Continuing with South Huntington U.F. School Districts pro-active "lead in drinking water" action plan, H2M was requested to conduct additional water sampling and analysis throughout the Districts facilities. The scope of work for this phase included sampling all lavatories within the boys, girls, men's, women's and staff toilets. Based upon suggestions for the N.Y.S Health Department there is a potential for students / staff to drink from these outlets when unsupervised, unfortunately they have indicated that signage is not a permanent solution and therefore these type outlets should be included within the Districts action plan. Sampling also included some additional outlets the District identified after the initial round of sampling was taken including drinking fountains, kitchen sinks and sinks located in classroom that do not have bubblers.

As a reminder, all samples were collected in compliance with SUBPART 67-4: Lead Testing in School Drinking Water. Each initial 250mL sample was at "first draw" taken after a minimum of 8 hours of non-use, not exceeding 18 hours and a second 250mL sample taken 30 seconds later. The second sample was held in the lab and analyzed only if the first sample was above the recommended action level of 15 ppb.

The following is a summary of the results taken:

Oakwood Primary Center

Forty-Three (43) sample locations taken, a total of three (3) samples exceeded 15 ppb on the initial draw and zero (0) samples exceeded 15 ppb upon analysis of the second sample.

Forum (west) first draw 64 ppb
Forum (east) first draw 38 ppb
Room 100 first draw 15 ppb

Countrywood Primary Center

Forty-Four (44) sample locations taken, a total of three (3) samples exceeded 15 ppb on the initial draw and zero (0) samples exceeded 15 ppb upon analysis of the second sample.

Boys Toilet (adjacent to rm. 505) first draw 16 ppb
Room 300 first draw 64 ppb
Girls Toilet (adjacent to cafeteria) first draw 78 ppb

Birchwood Intermediate School

Forty-three (43) sample locations taken, a total of one (1) sample exceeded 15 ppb on the initial draw and zero (0) samples exceeded 15 ppb upon analysis of the second sample.

Room 135 first draw 18.6 ppb

Maplewood Intermediate School

Forty-Four (44) sample locations taken, a total of one (1) sample exceeded 15 ppb on the initial draw and zero (0) samples exceeded 15 ppb upon analysis of the second sample.

Room 117 first draw 22 ppb

Silas Wood Sixth Grade Center

Sixty-Three (63) sample locations taken, a total of twelve (12) samples exceeded 15 ppb on the initial draw and zero (0) samples exceeded 15 ppb upon analysis of the second sample.

Room 114 (outlet #2)	first draw 21.3 ppb
Room 110	first draw 26.0 ppb
Room 120C (outlet #1)	first draw 15.5 ppb
Room 121	first draw 19.2 ppb
Room 122 (outlet #2)	first draw 17.2 ppb
Room 123D (outlet #1)	first draw 52.6 ppb
Men's Toilet	first draw 28.5 ppb
Room 222 (outlet #2)	first draw 61.7 ppb
Liberty Room	first draw 44.4 ppb
Room 227 (outlet #1)	first draw 22.5 ppb
Room 227 (outlet #2)	first draw 29.3 ppb
Kitchen	first draw 26.9 ppb

Stimson Middle School

Fifty-Seven (57) sample locations taken, a total of seven (7) samples exceeded 15 ppb on the initial draw and zero (0) samples exceeded 15ppb upon analysis of the second sample.

Boys Toilet (outlet #6)	first draw 17.4 ppb
Girl's Toilet (outlet #6)	first draw 19.6 ppb
Room 217 (outlet #1)	first draw 36.2 ppb
Room 219 (outlet #2)	first draw 25.1 ppb
Boy's Toilet (outlet #9)	first draw 22.4 ppb
Room 221 (outlet #1)	first draw 17.4 ppb
Room 221 (outlet #2)	first draw 39.3 ppb

Walt Whitman High School

One Hundred and Fifteen (115) sample locations taken, a total of fourteen (14) samples exceeded 15 ppb on the initial draw and two (2) samples exceeded 15 ppb upon analysis of the second sample.

Boys PE (outlet #1)	first draw 18.7 ppb
South Snack Bar	first draw 132 ppb
Room 225	first draw 23.8 ppb
ADA Toilet	first draw 62.1 ppb
Room 227 (outlet #1)	first draw 33.4 ppb
Women's Toilet (outlet #11)	first draw 27.8 ppb

Men's Toilet (outlet #12)	first draw 20.4 ppb / second draw 15.9 ppb
Men's Toilet (outlet #12)	first draw 63.1 ppb / second draw 67.1 ppb
Men's Toilet (outlet #13)	first draw 27.5 ppb
Women's Toilet (outlet #11)	first draw 24.3 ppb
Teachers Center (outlet #2)	first draw 25.6 ppb
Teachers Center (outlet #3)	first draw 31.8 ppb
Women's Toilet (outlet #19)	first draw 16.5 ppb
Women's Toilet (outlet #20)	first draw 23.9 ppb

Memorial Junior High School

Forty-six (46) sample locations taken, a total of eight (8) samples exceeded 15 ppb on the initial draw and zero (0) samples exceeded 15 ppb upon analysis of the second sample.

Room 102 (outlet #1)	first draw 62.6 ppb
Room 102 (outlet #2)	first draw 53.8 ppb
Room 101	first draw 26.4 ppb
Room 104 (outlet #1)	first draw 84.5 ppb
Room 104 (outlet #2)	first draw 526 ppb
Room 106 (outlet #1)	first draw 45.2 ppb
Room 106 (outlet #2)	first draw 449 ppb
Room 418B (outlet #2)	first draw 15.7 ppb

Teen Center

Eight (8) sample location taken, a total of four (4) samples exceeded 15 ppb on the initial draw and zero (0) samples exceeded 15 ppb upon analysis of the second sample.

Boy's Toilet (outlet #1)	first draw 52.3 ppb
Girl's Toilet (outlet #1)	first draw 47.1 ppb
Girl's Toilet (outlet #2)	first draw 57.0 ppb
Kitchen	first draw 19.3 ppb

Old Library

Eleven (11) sample location taken, a total of zero (0) samples exceeded 15 ppb on the initial draw.

District Office

Thirteen (13) sample location taken, a total of zero (0) samples exceeded 15 ppb on the initial draw.

Consistent with our previous recommendations for locations where the initial draw exceeded 15 ppb we recommend replacing the fixture, however the District could institute a flushing program in which district personnel would need to run water through those fixtures each day for a minimum of 30 seconds prior to student & faculty occupancy. This is a time consuming and an on-going process that would need to be monitored and verified to ensure compliance. For locations where both the initial draw and second sample analysis exceeded the 15 ppb we would recommend replacing or consider removing the fixture in its entirety a flushing program would not be recommended for these outlets. It should be noted that in several locations a metering valve, which allows both tempered and cold water to mix, may be the cause of a sample to exceed the 15 ppb, we would suggest waiting for further direction from the health department prior to proceeding with any remedial work. Finally, upon completion of the remedial work we would recommend re-sampling



those replaced fixtures to ensure compliance with EPA guidelines. Please note we have attached a copy of the lab results and outlet location plans for your records.

Upon reviewing this report, if the District has any questions or would like H2M to present our finding to the Board of Educations please feel free to contact me at 631.756.8000 ext. 1359.

Very truly yours,
H2M architects + engineers

A handwritten signature in black ink, appearing to read 'Saverio J. Belfiore', written over a vertical line.

Saverio J. Belfiore, AIA, CSI, CDT
Vice President | Studio Director

SJB/pld
Encl: (1)

cc: H2M_File, PLD
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