



October 12, 2018

Cincinnati Public Schools
Cynthia Eghbalnia
2651 Burnet Avenue
Cincinnati, OH 45219

**Rising Stars
Academy at Vine
Part 2**

Dear Cynthia:

Thank you for taking the responsibility seriously to protect the health of the children by voluntarily testing the water in your school for lead!

Attached please find the results of the lead analyses performed for Rising Stars Academy at Vine by the Greater Cincinnati Water Works (GCWW). The following comments speak to the process, samples analyzed and additional steps needed to help ensure the safety of all the students within the school.

School Sampling Process and Results

GCWW and Cincinnati Public Schools (CPS) staff worked together to finalize a sampling plan for the school. The *USEPA 3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance Document (3Ts Guidelines)* is the process and guidelines used for assisting schools with testing for lead.

Fifty-three (53) samples were originally collected in February 2017; in areas of the school that were being used during the renovation. In May 2018, forty-one (41) additional samples were collected as a part-2 sampling after renovations to the building. All samples were collected from drinking fountains, sinks and cooking outlets throughout the school. Multiple sinks within the schools were not initially considered for testing, however, key nearby indicators (coffee makers, drinking cups, plates, utensils, etc.) prompted additional locations to be tested in the schools. Including these sampling locations speaks to the proactive approach CPS continues to have towards understanding the water quality within the schools. The results show the following:

- 5 samples (12.20%), below the detection level (<1)
- 34 samples (82.93%), between 1ppb and 5ppb
- 2 samples (4.88%), between 5ppb and 10ppb
- 0 samples (0.00%) between 10ppb and 15ppb
- 0 samples (0.00%) greater than 15ppb.

One hundred percent (100.00%) of the sample results were below the detection level or below the federal action level.

Fifteen parts per billion (ppb) is the federal Lead and Copper Rule action level; desired results are below 15. The federal action level of 15ppb pertains to water utilities and GCWW's review and comments are based on this action level. However, the USEPA 3Ts Guidelines document outlines practices for schools to put in place if samples are greater than 20 ppb.

While we strive to have results less than 15, we recognize that lead is a pervasive environmental contaminant, and no safe blood lead threshold has been identified in children or adults. Therefore, we provide recommendations to further reduce any lead levels discovered in your school.



Next steps

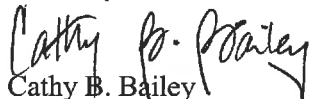
GCWW has reviewed the results from your samples and provides some next-steps comments.

1. Fifteen (15) of the seventeen (17) drinking fountains had lead detections. All locations are below the action level. The amounts found at these locations are low, however, flushing the line before use (letting the water run) will reduce the risk of lead. No further action is suggested.
2. Several sinks had lead detections. Based on the names, they are not used for drinking water or cooking purposes.
 - a. Lead is not an issue for body contact such as bathing, showering, and washing hands.
 - a. To lower the lead levels, consider removing and cleaning the aerator. Particles may be trapped on the aerator and contributing to the lead level.
 - b. If the locations with lead detections are not used on a regular basis, then the infrequent use may be contributing to the lead detections.
3. Thirty-six (36) of the forty-one (41) locations had lead detections. Review how water is being used within your facility. Again, if water is not used on a regular basis at some of these locations, the infrequent use at the outlet may be contributing to the lead detections. Signage at these locations may be helpful (hand washing only, science class purposes only-no drinking, etc.).
4. If it hasn't occurred already, a robust communications plan is suggested. Communications plan steps are outlined in the 3Ts Guidelines. This plan will inform the school community of the sampling work the school has done to date and the steps the school will take to correct any issues discovered. GCWW employees can assist with this plan and are available to attend any school meetings to help explain our lead program, the sample results and our partnership with your school. Suggestions for language and a letter template can be provided if needed. Sampling results will be posted on the GCWW lead.mygcww.org website with other school sampling results.

Greater Cincinnati Water Works takes the presence of lead service lines and the removal of these lines in our system very seriously. In addition, minimizing the exposure of lead within our preschools, schools, and daycares is one of our highest priorities under our Enhanced Lead Program. Please contact Jim Nelson at 591-6869 if you have any questions.

Thanks again for your partnership with Greater Cincinnati Water Works and your work to further understand the water quality within your building. Your extra steps and care to keep the children in our community safe are appreciated!

Sincerely,



Cathy B. Bailey

Director/Greater Cincinnati Water Works

Cc: Melba Moore, Cincinnati Health Department
Dr. Camille Jones, Cincinnati Health Department
Chuck DeJonckheere, Hamilton County Public Health
Verna Arnette, Greater Cincinnati Water Works
Jeff Swertfeger, Greater Cincinnati Water Works
Jason DeLaet, Greater Cincinnati Water Works
James Nelson, Greater Cincinnati Water Works

Cincinnati Public Schools - Rising Stars Academy - Lead Testing Results

SAMPLE #	SAMPLE DATE	SAMPLE TIME	SAMPLE	PARAMETER, CODE	AMOUNT	GCWW COMMENTS/REVIEW/RECOMMENDATIONS REGARDING RESULTS
RSA54	5/24/2018	5:43	RSA-FL1-1030-SINK-RSA54	Lead, ppb	1.78	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA55	5/24/2018	5:43	RSA-FL1-1030-DF-RSA55	Lead, ppb	<1	Less than detection level
RSA56	5/24/2018	5:44	RSA-FL1-HALLWAYNEAR1030-DF-RSA56	Lead, ppb	1.42	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA57	5/24/2018	5:45	RSA-FL1-1031-SINK-RSA57	Lead, ppb	3.59	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA58	5/24/2018	5:45	RSA-FL1-1031-DF-RSA58	Lead, ppb	1.47	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA59	5/24/2018	5:46	RSA-FL1-1032-SINK-RSA59	Lead, ppb	9.78	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA60	5/24/2018	5:46	RSA-FL1-1032-DF-RSA60	Lead, ppb	3.93	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA61	5/24/2018	5:47	RSA-FL1-1033RR-SINK-RSA61	Lead, ppb	<1	Less than detection level
RSA62	5/24/2018	5:48	RSA-FL1-1034RR-SINK-RSA62	Lead, ppb	<1	Less than detection level
RSA63	5/24/2018	5:50	RSA-FL1-1035BOYSRR-SINK-RSA63	Lead, ppb	1.06	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA64	5/24/2018	5:50	RSA-FL1-1036GIRLSRR-SINK-RSA64	Lead, ppb	1.45	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.

Cincinnati Public Schools - Rising Stars Academy - Lead Testing Results

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RSA65	5/24/2018	5:52	RSA-FL1-HALLWAYNEAR1036-DF-RSA65	Lead, ppb	1.78	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA66	5/24/2018	5:53	RSA-FL1-1037RR-SINK-RSA66	Lead, ppb	3.22	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA67	5/24/2018	5:22	RSA-FL2-2022-SINK-RSA67	Lead, ppb	4.79	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA68	5/24/2018	5:22	RSA-FL2-2022-DF-RSA68	Lead, ppb	2.85	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA69	5/24/2018	5:23	RSA-FL2-2023-SINK-RSA69	Lead, ppb	1.18	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA70	5/24/2018	5:23	RSA-FL2-2023-DF-RSA70	Lead, ppb	1.03	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA71	5/24/2018	5:26	RSA-FL2-2020-SINK-RSA71	Lead, ppb	1.19	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA72	5/24/2018	5:26	RSA-FL2-2020-DF-RSA72	Lead, ppb	1.7	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA73	5/24/2018	5:27	RSA-FL2-2021-SINK-RSA73	Lead, ppb	1.74	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.

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RSA74	5/24/2018	5:27	RSA-FL2-2021-DF-RSA74	Lead, ppb	1.24	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA75	5/24/2018	5:28	RSA-FL2-2018-SINK-RSA75	Lead, ppb	2.47	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA76	5/24/2018	5:28	RSA-FL2-2018-DF-RSA76	Lead, ppb	2.33	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA77	5/24/2018	5:29	RSA-FL2-HALLWAYNEAR2018-DF-RSA77	Lead, ppb	1.68	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA78	5/24/2018	5:30	RSA-FL2-2019-SINK-RSA78	Lead, ppb	1.57	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA79	5/24/2018	5:30	RSA-FL2-2019-DF-RSA79	Lead, ppb	2.98	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA80	5/24/2018	5:32	RSA-FL2-2017BOYSRR-LSINK-RSA80	Lead, ppb	1.94	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA81	5/24/2018	5:32	RSA-FL2-2017BOYSRR-MSINK-RSA81	Lead, ppb	1.83	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA82	5/24/2018	5:32	RSA-FL2-2017BOYSRR-MSINK-RSA82	Lead, ppb	1.35	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.

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SAMPLE #	SAMPLE DATE	SAMPLE TIME	SAMPLE	PARAMETER, CODE	AMOUNT	GCWW COMMENTS/REVIEW/RECOMMENDATIONS REGARDING RESULTS
RSA83	5/24/2018	5:33	RSA-FL2-2012RR-SINK-RSA83	Lead, ppb	4.21	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA84	5/24/2018	5:18	RSA-FL2-CAFE-LCOMBODF-RSA84	Lead, ppb	1.15	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA85	5/24/2018	5:18	RSA-FL2-CAFE-LCOMBOBF-RSA85	Lead, ppb	1.24	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA86	5/24/2018	5:18	RSA-FL2-CAFE-RDF-RSA86	Lead, ppb	<1	Less than detection level
RSA87	5/24/2018	5:34	RSA-FL2-2002-SINK-RSA87	Lead, ppb	5.09	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA88	5/24/2018	5:34	RSA-FL2-2002-DF-RSA88	Lead, ppb	3.96	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA89	5/24/2018	5:35	RSA-FL2-2004-SINK-RSA89	Lead, ppb	4.01	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA90	5/24/2018	5:35	RSA-FL2-2004-DF-RSA90	Lead, ppb	2.65	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA91	5/24/2018	5:38	RSA-FL2-2008GIRLSRR-FLSINK-RSA91	Lead, ppb	<1	Less than detection level
RSA92	5/24/2018	5:38	RSA-FL2-2008GIRLSRR-LSINK-RSA92	Lead, ppb	1.16	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.



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RSA93	5/24/2018	5:38	RSA-FL2-2008GIRLSRR-RSINK-RSA93	Lead, ppb	1.79	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RSA94	5/24/2018	5:39	RSA-FL2-2008GIRLSRR-FRSINK-RSA94	Lead, ppb	2.24	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.