



June 26, 2017

Glendale

Princeton City School District
Glendale Elementary School
Jon W. Fricke
930 Congress Avenue
Cincinnati, OH 45246

Elementary School

Dear Mr. Fricke:

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 Glendale Elementary School 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 Princeton School District 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.

In May, forty-eight (48) samples were collected from drinking fountains, sinks and cooking outlets throughout the school. The results show the following:

- 32 samples (66.67%), below the detection level (<1)
- 15 samples (31.25%), between 1ppb and 5ppb
- 1 sample (2.08%), between 5ppb and 10ppb
- 0 samples (0%), between 10ppb and 15ppb
- 0 samples (0%), greater than 15ppb federal action level.

One hundred percent (100%) 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 suggestions to further reduce any lead levels discovered in your school.

Next steps

Overall, all of your results were below the federal action level! GCWW has reviewed the results from your samples and provides some next-steps comments to further reduce the risk of lead.

1. Seven (7) of the fifteen (15) drinking fountains had lead detections. While the lead values for some of the fountains were low, consider cleaning these fountains and re-testing.

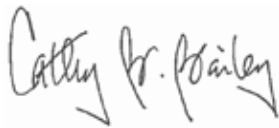


2. A drinking fountain location in the Counselor's room had a lead detection near 6ppb (5.93). The sink in this same office had a value of 3.36 . These lead values are below the action level of 15ppb, however, review how water is being used within this office/room. If water is not used on a regular basis at these outlets, the infrequent use at the outlet may be contributing to the lead detections. If the water fountain is not used on a regular basis, it may repeatedly have lead detections if tested. Consider if this fountain is needed or outline ways the fountain can be used more.
3. Two (2) of the six (6) sample locations in the cafeteria and kitchen had low lead detections. To further reduce the low lead detection, consider flushing the line (let the water run before use). No additional action is needed.
4. Other locations had low lead detections. Again consider how water is being used at these locations and if used as drinking or cooking outlets, flush the line first before use.
5. 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.mycww.org website with other school sampling results.

Greater Cincinnati Water Works takes the presence of lead service lines and the removal of those service 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: Dr. Marilyn Crumpton, Cincinnati Health Department
Dr. Camille Jones, Cincinnati Health Department
Chuck DeJonckheere, Hamilton County Public Health
Sheila Hill-Christian, City of Cincinnati
Verna Arnette, Greater Cincinnati Water Works
Jeff Swertfeger, Greater Cincinnati Water Works
Jason DeLaet, Greater Cincinnati Water Works

Princeton City School District - Glendale Elementary School - Lead Testing Results

SAMPLE #	SAMPLE DATE	SAMPLE TIME	SAMPLE	PARAMETER, CODE	AMOUNT	GCWW COMMENTS/REVIEW/RECOMMENDATIONS REGARDING RESULTS
GLE1	5/10/2017	5:38	GLE-BASE-CAFE-IM-GLE1	Lead, ppb	<1	Less than detection level
GLE2	5/10/2017	5:39	GLE-BASE-CAFE-DF-GLE2	Lead, ppb	<1	Less than detection level
GLE3	5/10/2017	5:40	GLE-BASE-KIT3TUB-LSINK-GLE3	Lead, ppb	<1	Less than detection level
GLE4	5/10/2017	5:41	GLE-BASE-KIT3TUB-RSINK-GLE4	Lead, ppb	<1	Less than detection level
GLE5	5/10/2017	5:41	GLE-BASE-KIT1TUB-SINK-GLE5	Lead, ppb	1.56	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE6	5/10/2017	5:42	GLE-BASE-KIT-HANDSINK-GLE6	Lead, ppb	1.07	Less than detection level
GLE7	5/10/2017	5:43	GLE-BASE-GIRLSRR-BRADLEY-GLE7	Lead, ppb	<1	Less than detection level
GLE8	5/10/2017	5:44	GLE-BASE-BOYSRR-BRADLEY-GLE8	Lead, ppb	<1	Less than detection level
GLE9	5/10/2017	5:46	GLE-BASE-HALLWAYNEARBOILRM-DF-GLE9	Lead, ppb	<1	Less than detection level
GLE10	5/10/2017	5:47	GLE-BASE-GIRLSRRNEARGYM-LSINK-GLE10	Lead, ppb	<1	Less than detection level
GLE11	5/10/2017	5:47	GLE-BASE-GIRLSRRNEARGYM-RSINK-GLE11	Lead, ppb	<1	Less than detection level
GLE12	5/10/2017	5:50	GLE-BASE-BOYSRRNEARGYM-LSINK-GLE12	Lead, ppb	<1	Less than detection level
GLE13	5/10/2017	5:50	GLE-BASE-BOYSRRNEARGYM-RSINK-GLE13	Lead, ppb	<1	Less than detection level
GLE14	5/10/2017	5:55	GLE-BASE-132-SINK-GLE14 (Counselor/Psych)	Lead, ppb	3.36	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE15	5/10/2017	5:55	GLE-BASE-132-DF-GLE15 (Counselor/Psych)	Lead, ppb	5.93	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE16	5/10/2017	5:59	GLE-BASE-HALLWAYNEAR137-DF-GLE16	Lead, ppb	<1	Less than detection level
GLE17	5/10/2017	6:23	GLE-BASE-137-SINK-GLE17 (Preschool)	Lead, ppb	<1	Less than detection level

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GLE18	5/10/2017	6:03	GLE-BASE-137-DF-GLE18 (Preschool)	Lead, ppb	<1	Less than detection level
GLE19	5/10/2017	6:07	GLE-BASE-137RR-SINK-GLE19 (Preschool)	Lead, ppb	<1	Less than detection level
GLE20	5/10/2017	6:14	GLE-FL1-215-SINK-GLE20 (2nd Grade)	Lead, ppb	<1	Less than detection level
GLE21	5/10/2017	6:14	GLE-FL1-215-DF-GLE21 (2nd Grade)	Lead, ppb	<1	Less than detection level
GLE22	5/10/2017	6:16	GLE-FL1-214-SINK-GLE22 (2nd Grade)	Lead, ppb	2.65	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE23	5/10/2017	6:16	GLE-FL1-214-DF-GLE23 (2nd Grade)	Lead, ppb	2.33	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE24	5/10/2017	6:17	GLE-FL1-213-SINK-GLE24 (1st Grade)	Lead, ppb	4.47	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE25	5/10/2017	6:16	GLE-FL1-213-DF-GLE25 (1st Grade)	Lead, ppb	3.15	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE26	5/10/2017	6:20	GLE-FL1-212-SINK-GLE26 (1st Grade)	Lead, ppb	4.47	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.

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GLE27	5/10/2017	6:20	GLE-FL1-212-DF-GLE27 (1st Grade)	Lead, ppb	3.11	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE28	5/10/2017	6:22	GLE-FL1-216-SINK-GLE28 (Kindergarten)	Lead, ppb	1.24	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE29	5/10/2017	6:22	GLE-FL1-216-DF-GLE29 (Kindergarten)	Lead, ppb	1.51	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE30	5/10/2017	6:24	GLE-FL1-216RR-SINK-GLE30 (Kindergarten)	Lead, ppb	1.83	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE31	5/10/2017	6:25	GLE-FL1-NURSE-SINK-GLE31	Lead, ppb	<1	Less than detection level
GLE32	5/10/2017	6:25	GLE-FL1-NURSERR-SINK-GLE32	Lead, ppb	<1	Less than detection level
GLE33	5/10/2017	6:30	GLE-FL1-221-SINK-GLE33 (Kindergarten)	Lead, ppb	<1	Less than detection level
GLE34	5/10/2017	6:30	GLE-FL1-221-DF-GLE34 (Kindergarten)	Lead, ppb	1.22	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE35	5/10/2017	6:31	GLE-FL1-221RR-SINK-GLE35 (Kindergarten)	Lead, ppb	<1	Less than detection level

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GLE36	5/10/2017	6:32	GLE-FL1-PRINCIPALOFF-SINK-GLE36	Lead, ppb	<1	Less than detection level
GLE37	5/10/2017	6:34	GLE-FL1-HALLWAYNEARPRINCIPAL-LDF-GLE37	Lead, ppb	3.6	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE38	5/10/2017	6:34	GLE-FL1-HALLWAYNEARPRINCIPAL-RDF-GLE38	Lead, ppb	<1	Less than detection level
GLE39	5/10/2017	6:35	GLE-FL1-225-SINK-GLE39 (Title 1)	Lead, ppb	<1	Less than detection level
GLE40	5/10/2017	6:37	GLE-FL1-STAFFRRNEAR225-SINK-GLE40	Lead, ppb	<1	Less than detection level
GLE41	5/10/2017	6:40	GLE-FL1-HALLWAYNEAR238-LDF-GLE41	Lead, ppb	<1	Less than detection level
GLE42	5/10/2017	6:40	GLE-FL1-HALLWAYNEAR238-RDF-GLE42	Lead, ppb	<1	Less than detection level
GLE43	5/10/2017	6:45	GLE-FL1-BOYSRRNEAR238-LSINK-GLE43	Lead, ppb	<1	Less than detection level
GLE44	5/10/2017	6:45	GLE-FL1-BOYSRRNEAR238-RSINK-GLE44	Lead, ppb	<1	Less than detection level
GLE45	5/10/2017	6:47	GLE-FL1-GIRLSRRNEAR245-LSINK-GLE45	Lead, ppb	<1	Less than detection level
GLE46	5/10/2017	6:47	GLE-FL1-GIRLSRRNEAR245-RSINK-GLE46	Lead, ppb	<1	Less than detection level
GLE47	5/10/2017	6:50	GLE-FL2-ART-LSINK-GLE47	Lead, ppb	1.25	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
GLE48	5/10/2017	6:50	GLE-FL2-ART-RSINK-GLE48	Lead, ppb	<1	Less than detection level