July 7, 2017

St. Clare School-College Hill
Rob Fritz
5824 Salvia Avenue
Cincinnati, OH 45224

St. Clare School-College Hill

Dear Mr. Fritz,

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 St. Clare School by 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.

Sampling Process and Results

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, twenty-seven (27) samples were collected from drinking fountains, cooking outlets and sinks throughout the school. The results show the following:

- 14 samples (51.85%), below the detection level (<1)
- 12 samples (44.45%), between 1ppb and 5ppb
- 1 sample (3.7%), between 5ppb and 10ppb
- 0 samples (0%), between 10ppb and 15ppb
- 0 samples (0%) greater than 15ppb.

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 the Greater Cincinnati Water Works 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.

Next steps

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

1. Great news! One hundred percent of the samples analyzed had results below the detection or below the federal action level of 15ppb. Low levels of lead were detected in some samples and the following suggestions are to help you further reduce the risk of lead at these locations.

2. One drinking fountain had a low lead level. Consider flushing the line (let the water run) before use. No further action is suggested.

3. Several sinks had low lead detections. Based on the sample names, these are not drinking water or cooking outlets. Lead is not an issue for body contact such as bathing, showering, and washing hands. We have known and learned from other schools (that are participating in this program) that cleaning the faucet and aerator may reduce the lead levels. This is due to the cleaning that removes trapped particles on the aerator. Resampling and retesting can occur after cleaning; GCWW can assist with this (we can discuss this further since the lead levels are very low now. Resampling may not be necessary and is up to the school to make this decision).

4. The tub (sink) in the concession area had a low lead detection. If this area is not used on a regular basis, then the infrequent use may be contributing to the lead detection. Consider flushing the line 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.mygcww.org website with other school sampling results.

Overall, 100% of the results were below the detection level or below the federal action level of 15ppb. Flushing the line before use for the low lead detections should prove to be helpful in further reducing the risk of lead. Cleaning faucets and aerators may help to further reduce the lead levels. At this time, resampling and retesting is probably not needed, given that the results indicate several low lead levels. However, if the school wants to resample and retest after cleaning, GCWW will assist.

Greater Cincinnati Water Works takes the presence of lead service lines and the removal of 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. We look forward to our continued partnership with your school. Our resources are available to assist in many ways. Please contact Jim Nelson at 591-6869 for further assistance.

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

GREATER CINCINNATI WATER WORKS
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St. Clare School-College Hill - Lead Testing Results						
SAMPLE #	SAMPLE DATE	SAMPLE TIME	SAMPLE	PARAMETER, CODE	AMOUNT	GCWW COMMENTS / REVIEW / RECOMMENDATIONS REGARDING RESULTS
STC1	5/2/2017	6:30	STC-SCHFL1-HALLWAYNEAR110-BF-STC1	LEAD, PPB	<1	Less than detection level
STC2	5/2/2017	6:32	STC-SCHFL1-BOYSRRNEAR110STAIRS-LSINK-STC2	LEAD, PPB	1.48	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC3	5/2/2017	6:35	STC-SCHFL1-BOYSRRNEAR110STAIRS-RSINK-STC3	LEAD, PPB	<1	Less than detection level
STC4	5/2/2017	6:40	STC-SCHFL1-HALLWAYNEARSTAFFRR-DF-STC4	LEAD, PPB	<1	Less than detection level
STC5	5/2/2017	6:42	STC-SCHFL1-STAFFRR-LSINK-STC5	LEAD, PPB	1.76	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC6	5/2/2017	6:42	STC-SCHFL1-STAFFRR-RSINK-STC6	LEAD, PPB	6.96	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC7	5/2/2017	6:45	STC-SCHFL2-GIRLSRRNEARSTAIRS-LSINK-STC7	LEAD, PPB	1.53	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC8	5/2/2017	6:45	STC-SCHFL2-GIRLSRRNEARSTAIRS-RSINK-STC8	LEAD, PPB	<1	Less than detection level
STC9	5/2/2017	6:46	STC-SCHFL2-HALLWAYNEARGIRLSRR-DF-STC9	LEAD, PPB	<1	Less than detection level

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STC10	5/2/2017	6:47	STC-SCHFL2-HALLWAYNEARSTAFFRR-DF-STC10	LEAD, PPB	1.15	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC11	5/2/2017	6:49	STC-SCHFL2-STAFFRR-FLSINK-STC11	LEAD, PPB	2.92	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC12	5/2/2017	6:49	STC-SCHFL2-STAFFRR-LSINK-STC12	LEAD, PPB	1.49	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC13	5/2/2017	6:49	STC-SCHFL2-STAFFRR-RSINK-STC13	LEAD, PPB	<1	Less than detection level
STC14	5/2/2017	6:49	STC-SCHFL2-STAFFRR-FRSINK-STC14	LEAD, PPB	1.1	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC15	5/2/2017	6:55	STC-PC-BOYSRR-LSINK-STC15	LEAD, PPB	<1	Less than detection level
STC16	5/2/2017	6:55	STC-PC-BOYSRR-MSINK-STC16	LEAD, PPB	<1	Less than detection level
STC17	5/2/2017	6:55	STC-PC-BOYSRR-RSINK-STC17	LEAD, PPB	<1	Less than detection level

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STC18	5/2/2017	6:57	STC-PC-GIRLSRR-LSINK-STC18	LEAD, PPB	1.02	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC19	5/2/2017	6:57	STC-PC-GIRLSRR-MSINK-STC19	LEAD, PPB	1.61	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC20	5/2/2017	6:57	STC-PC-GIRLSRR-RSINK-STC20	LEAD, PPB	<1	Less than detection level
STC21	5/2/2017	7:00	STC-PC-HALLWAY-LDF-STC21	LEAD, PPB	<1	Less than detection level
STC22	5/2/2017	7:00	STC-PC-HALLWAY-RDF-STC22	LEAD, PPB	<1	Less than detection level
STC23	5/2/2017	7:05	STC-PC-CONCESSIONS3TUB-SINK-STC23	LEAD, PPB	1.7	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
STC24	5/2/2017	7:05	STC-PC-CONCESSIONS1TUB-SINK-STC24	LEAD, PPB	<1	Less than detection level
STC25	5/2/2017	7:05	STC-PC-CONCESSIONS-HANDSINK-STC25	LEAD, PPB	<1	Less than detection level
STC26	5/2/2017	7:10	STC-PC-CONCESSIONS-IM-STC26	LEAD, PPB	1.23	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
STC27	5/2/2017	7:12	STC-PC-MAINTRM-HANDSINK-STC27	LEAD, PPB	1.62	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.