



November 14, 2016

Whitaker Elementary School
Jim Skoog
7400 Winton Rd
Cincinnati, OH 45224

**Whitaker
Elementary School**

Dear Mr. Skoog:

Attached please find the results of the lead analyses performed for Whitaker Elementary School by the Greater Cincinnati Water Works (GCWW). We appreciate the opportunity to assist you in understanding the water quality within your school. Our water utility provides a robust partnership with the schools within our service area to help all the schools understand their water quality. We consider this a high priority and have proactively partnered with schools to:

- explain our records of service lines providing water to the schools;
- verify the actual service lines;
- share a link or a copy of the recommended *USEPA 3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance Document (3Ts Guidelines)*;
- provide sample kits to the schools, analyze the samples, discuss the results in detail;
- consider follow-up samples, if needed;
- offer assistance with a remediation plan;
- post the results to the lead.mygcww.org website, school section;
- assist with creating a communications plan for the school community.

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

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 October, thirty-three (33) samples were collected from drinking fountains and sinks throughout the school. The results show the following:

- 27 samples (81.82%), below the detection level (<1)
- 6 samples (18.18%), between 1ppb and 5ppb

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 comments to help you further reduce any lead levels discovered at drinking water and cooking outlets.



Next steps

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

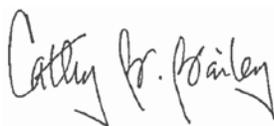
1. One hundred percent (100%) of the samples were below the federal action level of 15 ppb. Although lower than the 15 ppb action level, for samples with lead detections and if used for drinking water, consider flushing the lines before using the water. If not for drinking water, consider posting signs that indicate these outlets are not for drinking water use. Refer to the USEPA 3Ts Guidelines for more information.
2. For sample locations with lead detections, consider completing a plumbing profile to review the fixtures in the school as some fixtures may be contributing to the lead detections. If the fixtures are the source of the lead, plan to replace them. The USEPA 3Ts Guidelines outlines a great approach to creating and implementing a remediation plan. A copy can be found on our website <http://www.cincinnati-oh.gov/water/assets/File/3T%20Guidance%20Manual%20for%20Schools.pdf>.

State funds are available through the new Lead Plumbing Fixture Replacement Assistance Grant Program established to provide reimbursement to eligible schools for the assessment and replacement of certain plumbing fixtures. The program is open to traditional public schools, community schools, and chartered non-public schools. Program information can be found on the Ohio Facilities Construction Commission (OFCC) Services and Programs website <http://ofcc.ohio.gov/ServicesPrograms/LeadFixtureReplacementGrants.aspx>.

3. 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 Whitaker. 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 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. Our resources are available to assist in many ways. Please contact Jim Nelson at 591-6869 with any questions and to discuss how we can assist with next steps within your school.

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

Whitaker Elementary School - Lead Testing Results

SAMPLE #	SAMPLE DATE	SAMPLE NAME	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEW REGARDING RESULTS
WHIT1	10/20/2016	WHITAKER_HALL_RM116_DF	Lead, PPB	<1	Less than detection level
WHIT2	10/20/2016	WHITAKER_HALL_RM111_DF	Lead, PPB	<1	Less than detection level
WHIT3	10/20/2016	WHITAKER_HALL_RM104_DF	Lead, PPB	<1	Less than detection level
WHIT4	10/20/2016	WHITAKER_2NDFL_HALL_RM204_DF	Lead, PPB	<1	Less than detection level
WHIT5	10/20/2016	WHITAKER_BFL_HALL_RM4_DF	Lead, PPB	<1	Less than detection level
WHIT6	10/20/2016	WHITAKER_CAFE_DF	Lead, PPB	<1	Less than detection level
WHIT7	10/20/2016	WHITAKER_CAFE_UTILITYSINK	Lead, PPB	<1	Less than detection level
WHIT8	10/20/2016	WHITAKER_CAFE_HANDSINK	Lead, PPB	1.28	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
WHIT9	10/20/2016	WHITAKER_CAFE_WASHSINK	Lead, PPB	3.88	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
WHIT10	10/20/2016	WHITAKER_GYMBOYSRR_SINK FL	Lead, PPB	<1	Less than detection level
WHIT11	10/20/2016	WHITAKER_GYMBOYSRR_SINK L	Lead, PPB	<1	Less than detection level
WHIT12	10/20/2016	WHITAKER_GYMBOYSRR_SINK R	Lead, PPB	<1	Less than detection level
WHIT13	10/20/2016	WHITAKER_GYMBOYSRR_SINK FR	Lead, PPB	<1	Less than detection level
WHIT14	10/20/2016	WHITAKER_GYMGIRLSRR_SINK FL	Lead, PPB	<1	Less than detection level
WHIT15	10/20/2016	WHITAKER_GYMGIRLSRR_SINK L	Lead, PPB	<1	Less than detection level
WHIT16	10/20/2016	WHITAKER_GYMGIRLSRR_SINK R	Lead, PPB	<1	Less than detection level
WHIT17	10/20/2016	WHITAKER_GYMGIRLSRR_SINK FR	Lead, PPB	<1	Less than detection level
WHIT18	10/20/2016	WHITAKER_RM104_BOYSRR_SINK L	Lead, PPB	<1	Less than detection level
WHIT19	10/20/2016	WHITAKER_RM104_BOYSRR_SINK M	Lead, PPB	<1	Less than detection level
WHIT20	10/20/2016	WHITAKER_RM104_BOYSRR_SINK R	Lead, PPB	<1	Less than detection level
WHIT21	10/20/2016	WHITAKER_RM104_GIRLSRR_SINK L	Lead, PPB	1.1	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 NAME	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEW REGARDING RESULTS
WHIT22	10/20/2016	WHITAKER_RM104_GIRLSRR_SINK M	Lead, PPB	1.3	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
WHIT23	10/20/2016	WHITAKER_RM104_GIRLSRR_SINK R	Lead, PPB	<1	Less than detection level
WHIT24	10/20/2016	WHITAKER_ARTHALL_BOYSRR_SINK L	Lead, PPB	<1	Less than detection level
WHIT25	10/20/2016	WHITAKER_ARTHALL_BOYSRR_SINK R	Lead, PPB	1.05	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
WHIT26	10/20/2016	WHITAKER_ARTHALL_GIRLSRR_SINK L	Lead, PPB	<1	Less than detection level
WHIT27	10/20/2016	WHITAKER_ARTHALL_GIRLSRR_SINK R	Lead, PPB	<1	Less than detection level
WHIT28	10/20/2016	WHITAKER_STAFFLOUNGE_MENRR_SINK	Lead, PPB	4.73	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
WHIT29	10/20/2016	WHITAKER_STAFFLOUNGE_WOMENRR_SINK	Lead, PPB	<1	Less than detection level
WHIT30	10/20/2016	WHITAKER_STAFFLOUNGE_SINK	Lead, PPB	<1	Less than detection level
WHIT31	10/20/2016	WHITAKER_NURSEOFFICE_SINK	Lead, PPB	<1	Less than detection level
WHIT32	10/20/2016	WHITAKER_NURSEOFFICE_IM	Lead, PPB	<1	Less than detection level
WHIT33	10/20/2016	WHITAKER_RM4_BASEMENTUNIRR_SINK	Lead, PPB	<1	Less than detection level