



October 26, 2016

## Hyde Park School

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

Dear Cynthia:

Attached please find the results of the lead analyses performed for Hyde Park 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 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.

Early October, thirty-nine (39) samples were collected from drinking fountains and sinks throughout the school. Multiple sinks within the school were not initially considered for testing, however, key nearby indicators (coffee makers, drinking cups, plates, utensils, etc.) prompted these locations to be tested. Including these sampling locations speaks to the proactive approach CPS continues to have towards understanding the water quality within the schools.

Two historic rookwood fountains were initially identified as inoperable (slight trickle of water at fountain) and not intended to be included in sampling. However, upon receiving samples, it was stated that CPS staff had worked to make these drinking fountains operable and they were now included in the sampling group. One additional sample location was not included. The results show the following:

- 28 samples (71.80%), below the detection level (<1)
- 8 samples (20.52%), between 1ppb and 5ppb
- 1 sample (2.56%), between 5ppb and 10ppb
- 1 sample (2.56%), between 10ppb and 15ppb
- 1 sample (2.56%) greater than 15ppb.
- 1 sample not collected (one sink was not working)

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 at drinking water and cooking outlets.



## Next steps

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

1. For results greater than 15 ppb, consider immediate remedies such as taking the sample location out of service until a more defined plan can be created. Refer to the 3Ts Guidelines that suggest shutting off or disconnecting problem outlets until the problem is resolved.
2. Although lower than the 15 ppb action level, for samples with lead detections, consider flushing the lines before using the water. Refer to the USEPA 3Ts Guidelines for more information.
3. Consider completing a plumbing profile to review the fixtures in the school as some fixtures may be contributing to the lead detections in samples. 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 of the Guidelines 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>.

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 CPS. Sampling results will be posted on the GCWW [lead.mygcww.org](http://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. We look forward to our continued partnership with Cincinnati Public Schools. Our resources are available to assist in many ways. Please contact Jim Nelson at 591-6869 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

### Cincinnati Public School - Hyde Park School - Lead Testing Results

SCHOOL	SAMPLE DATE	SAMPLE TIME	SAMPLE NAME	PARAMETER CODE	LEAD, PPB	GCWW COMMENTS/REVIEW/RECOMMENDATIONS REGARDING RESULTS
Hyde Park School	10/5/2016	6:08	CPS-HP-KITCHEN-UTILITY-LSINK-HP1	Lead, ppb	1.21	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:08	CPS-HP-KITCHEN-UTILITY-MSINK-HP2	Lead, ppb	2.34	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:08	CPS-HP-KITCHEN-UTILITY-RSINK-HP3	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:08	CPS-HP-KITCHEN-SPRAYSINK-HP4	Lead, ppb	2.22	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:09	CPS-HP-KITCHEN-NEARCAFETERIATABLES-SINK-HP5	Lead, ppb	11.4	Lead detected; less than 15ppb action level. Although not above the action level, work swiftly to reduce lead levels at this location. Consider flushing water before use. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:09	CPS-HP-KITCHEN-NEARUTILITYSINK-SINK-HP6	Lead, ppb	6.23	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:10	CPS-HP-BASEMENT-STAFFRRNEARCAFETERIA-SINK-HP7	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:11	CPS-HP-BASEMENT-STAFFLOUNGE-SINK-HP8	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	----	CPS-HP-BASEMENT-0116-SINK-HP9	Lead, ppb	N/A	sink not working; not sampled



Hyde Park School	10/5/2016	6:14	CPS-HP-BASEMENT-0116RR-SINK-HP10	Lead, ppb	1.58	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:14	CPS-HP-BASEMENT-0116RR-DF-HP11	Lead, ppb	4.59	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:16	CPS-HP-BASEMENT-HALLWAYNEAR0112-LDF-HP12	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:16	CPS-HP-BASEMENT-HALLWAYNEAR0112-RDF-HP13	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:21	CPS-HP-BASEMENT-GIRLSRR-LSINK-HP14	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:21	CPS-HP-BASEMENT-GIRLSRR-MSINK-HP15	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:21	CPS-HP-BASEMENT-GIRLSRR-RSINK-HP16	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:23	CPS-HP-BASEMENT-BOYSRR-FLSINK-HP17	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:23	CPS-HP-BASEMENT-BOYSRR-LSINK-HP18	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:23	CPS-HP-BASEMENT-BOYSRR-MSINK-HP19	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:23	CPS-HP-BASEMENT-BOYSRR-RSINK-HP20	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:24	CPS-HP-BASEMENT-BOYSRR-FRSINK-HP21	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:24	CPS-HP-BASEMENT-STAFFRRNEAR0134-SINK-HP22	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:20	CPS-HP-BASEMENT-0131-SINK-HP23	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:27	CPS-HP-FL1-HALLWAYNEARGYM-DF-HP24	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:27	CPS-HP-FL1-LRRNEARGYM-SINK-HP25	Lead, ppb	1.02	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:27	CPS-HP-FL1-RRRNEARGYM-SINK-HP26	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:30	CPS-HP-FL1-HALLWAYNEAR1111-DF-HP27	Lead, ppb	<1	Historic rookwood drinking fountain. Less than detection level
Hyde Park School	10/5/2016	6:32	CPS-HP-FL1-GIRLSRR-SINK-HP28	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:32	CPS-HP-FL1-BOYSRR-SINK-HP29	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:38	CPS-HP-FL1-HALLWAYNEAR1134-DF-HP30	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:34	CPS-HP-FL1-MAINOFFICERR-SINK-HP31	Lead, ppb	<1	Less than detection level



Hyde Park School	10/5/2016	6:37	CPS-HP-FL2-2121-SINK-HP32	Lead, ppb	16.1	During the sampling plan walk through at the school, this sink was described as a 'work sink' and was not to be used for drinking water. Results above 15ppb federal action level. <i>If used as drinking water or cooking outlet</i> --Until a defined remediation plan is created, immediately remove from service (tag out of service and/or disconnect the water supply to this location).
Hyde Park School	10/5/2016	6:39	CPS-HP-FL2-HALLWAYNEAR2115-DF-HP33	Lead, ppb	<1	Historic rookwood drinking fountain. Less than detection level
Hyde Park School	10/5/2016	6:45	CPS-HP-FL2-2112RR-SINK-HP34	Lead, ppb	2.02	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:45	CPS-HP-FL2-GIRLSRR-SINK-HP35	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:45	CPS-HP-FL2-BOYSRR-SINK(RIGHTSINK)-HP36	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:46	CPS-HP-FL2-HALLWAYNEAR2137-DF-HP37	Lead, ppb	1.38	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
Hyde Park School	10/5/2016	6:38	CPS-HP-FL2-2125RR-SINK-HP38	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:50	CPS-HP-FL3-HALLWAYNEAR3110-DF-HP39	Lead, ppb	<1	Less than detection level
Hyde Park School	10/5/2016	6:50	CPS-HP-FL3-STAFFRR-SINK-HP40	Lead, ppb	<1	Less than detection level