



November 3, 2016

St. Joseph Catholic Church & School
Margo Aug
745 Ezzard Charles Drive
Cincinnati, OH 45203

Dear Margo:

Attached please find the results of the lead analyses performed for St. Joseph Catholic Church and 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

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, forty (40) samples were collected from drinking fountains and sinks throughout the school. The results show the following:

- 30 samples (75%), below the detection level (<1)
- 6 samples (15%), between 1ppb and 5ppb
- 1 sample (2.5%), between 5ppb and 10ppb
- 2 samples (5%), between 10ppb and 15ppb
- 1 sample (2.5%) greater than 15ppb.

Samples were not collected from the following locations:

- School-level 3-right side stairwell-utility sink-out of service
- School-basement-tunnel near cafeteria-utility sink
- Rectory-2nd and 3rd floor-water was turned off and/or was going to be turned off
- Convent-2nd floor-hallway drinking fountain-out of service
- Church-plant room-sink-out of service
- Church-exterior-hose bib-a key is needed and is not used often.

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:

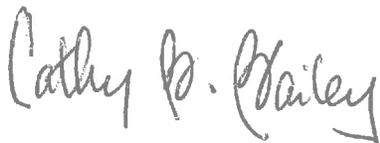
1. For results greater than 15 ppb, consider immediate remedies such as taking the sample location out of service until a more defined plan can be created. Refer to the 3Ts Guidelines that suggest shutting off or disconnecting problem outlets until the problem is resolved.
2. Although lower than the 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 St. Joseph. 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. We look forward to our continued partnership with St. Joseph Catholic Church and School. 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: Dionne Partee, St. Joseph Catholic Church and School
Dr. Marilyn Crumpton, Cincinnati Health Department
Dr. Camille Jones, Cincinnati Health Department
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Sheila Hill-Christian, City of Cincinnati
Verna Arnette, Greater Cincinnati Water Works
Jeff Swertfeger, Greater Cincinnati Water Works



ST. JOSEPH SCHOOL AND CHURCH - Lead Testing Results

SAMPLE DATE	SAMPLE	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEWS/RECOMMENDATIONS
10/14/2016	STJ-SCHOOLLEVEL4-LSTAGEMENSRR-SINK	Lead, PPB	1.16	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
10/14/2016	STJ-SCHOOLLEVEL4-RSTAGEWOMENSRR-SINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL4-RSTAIRWELL-UTILITYSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL3-HALLWAY-DF	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL3-NURSEOFFICERR-SINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL2-HALLWAY-DF	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL2-GIRLSRR-LSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL2-GIRLSRR-MSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL2-GIRLSRR-RSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL2-BOYSRR-LSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL2-BOYSRR-RSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL1-HALLWAY-DF	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL1-GIRLSRR-LSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL1-GIRLSRR-MSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL1-GIRLSRR-RSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL1-BOYSRR-LSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLLEVEL1-BOYSRR-RSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLTUNNEL-GIRLSRR-LSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLTUNNEL-GIRLSRR-RSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLTUNNEL-BOYSRR-LSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLTUNNEL-BOYSRR-RSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLCAFE-KITCHENWASH-LSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLCAFE-KITCHENWASH-RSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLCAFE-KITCHEN-HANDSINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-SCHOOLCAFE-MULTIPURPRM-SINK	Lead, PPB	<1	Less than detection level



ST. JOSEPH SCHOOL AND CHURCH - Lead Testing Results

SAMPLE DATE	SAMPLE	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEWS/RECOMMENDATIONS
10/14/2016	STJ-RECTORYFL1-RR-SINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-RECTORYFL1-KITCHEN-SINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-RECTORY-FRONT EXTERIOR-HB	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-CHURCH-FELLOWSHIP RRR-SINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-CHURCH-SACRISTY-SINK	Lead, PPB	4.12	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
10/14/2016	STJ-CHURCH-GARAGE-HB	Lead, PPB	1.58	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
10/14/2016	STJ-CONVENTFL1-KITCHEN-SINK	Lead, PPB	2.89	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
10/14/2016	STJ-CONVENTFL1-WOMENSRR-SINK	Lead, PPB	11	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.
10/14/2016	STJ-CONVENTFL1-MENSRR-SINK	Lead, PPB	3.03	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
10/14/2016	STJ-CONVENTFL2-WOMENSRR-LSINK	Lead, PPB	4.18	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 DATE	SAMPLE	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEWS/RECOMMENDATIONS
10/14/2016	STJ-CONVENTFL2-WOMENSRR-RSINK	Lead, PPB	15	At the 15ppb federal action level. Until a defined remediation plan is created, immediately remove from service (tag out of service and/or disconnect the water supply to this location).
10/14/2016	SRJ-CONVENTFL2-MENSRR-SINK	Lead, PPB	<1	Less than detection level
10/14/2016	STJ-CONVENTFL3-UNIRR-SINK	Lead, PPB	6.91	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
10/14/2016	STJ-CONVENT-FRONTExTERIOR-HB	Lead, PPB	17.6	Above 15ppb federal action level. Until a defined remediation plan is created, immediately remove from service (tag out of service and/or disconnect the water supply to this location).
10/14/2016	STJ-CONVENT-BASEMENTPANTRY-SINK	Lead, PPB	<1	Less than detection level