



December 15, 2016

Resurrection of Our Lord School  
Ron Kienzle  
1740 Iliff  
Cincinnati, OH 45205

Dear Ron:

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 Resurrection of Our Lord 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 November, twenty-six (26) samples were collected from drinking fountains and sinks throughout the school and church: 20 at the school, 6 at the church. The results show the following:

#### School

- 13 samples (65%), below the detection level (<1)
- 4 samples (20%), between 1ppb and 5ppb
- 1 sample (5%), between 5ppb and 10ppb
- 0 samples (0%), between 10ppb and 15ppb
- 2 samples (10%) greater than 15ppb. High lead levels in both samples.

Sixty-five percent (65%) of the samples were below the detection level; thirty-five percent (35%) of the samples had some level of lead detection.

#### Church

- 1 sample (16.66%), below the detection level (<1)
- 3 samples (50%), between 1ppb and 5ppb
- 1 sample (16.67%), between 5ppb and 10ppb
- 1 sample (16.67%), between 10ppb and 15ppb

One (1) sample was below the detection level; five (5) samples had some level of lead detection.

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 at drinking water and cooking outlets.



## Next steps

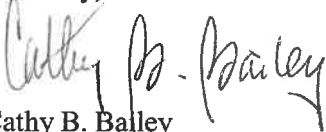
GCWW has reviewed the results from your samples and provides some next-steps comments:

1. Two samples in the school had high lead levels (147ppb and 110ppb). 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. As an added precaution, consider posting signs at sink locations indicating 'hand washing only' as these locations should not to be used as drinking water or cooking outlets. Refer to the USEPA 3Ts Guidelines for more information and suggestions on signage.
4. Review how water is being used within your facility. If water is not used on a regular basis at some of these outlets, the infrequent use at the outlet may be contributing to the lead detections. This might be the case for the church. Signage at these locations may also be helpful (hand washing only, etc.).
5. Consider completing a plumbing profile to review the fixtures in the school and church 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. GCWW is available to assist with follow-up/repeat sampling related to this.
6. 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. 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 Resurrection of our Lord 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

### Cincinnati Archdiocese - Resurrection of Our Lord School and Church- Lead Testing Results

SAMPLE #	SCHOOL	SAMPLE DATE	SAMPLE TIME	SAMPLE	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEW/RECOMMENDATIONS REGARDING RESULTS
RES1	Resurrection School	11/23/2016	9:40	RES-LEVEL1-BOYSRR-FLSINK-RES1	Lead, ppb	<1	Less than detection level
RES2	Resurrection School	11/23/2016	9:40	RES-LEVEL1-BOYSRR-LSINK-RES2	Lead, ppb	<1	Less than detection level
RES3	Resurrection School	11/23/2016	9:40	RES-LEVEL1-BOYSRR-MSINK-RES3	Lead, ppb	<1	Less than detection level
RES4	Resurrection School	11/23/2016	9:40	RES-LEVEL1-BOYSRR-RSINK-RES4	Lead, ppb	<1	Less than detection level
RES5	Resurrection School	11/23/2016	9:40	RES-LEVEL1-BOYSRR-FRSINK-RES5	Lead, ppb	<1	Less than detection level
RES6	Resurrection School	11/23/2016	9:40	RES-LEVEL1-BOYSRR-UTILITYSINK-RES6	Lead, ppb	1.4	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RES7	Resurrection School	11/23/2016	9:40	RES-LEVEL1-GIRLSRR-FLSINK-RES7	Lead, ppb	<1	Less than detection level
RES8	Resurrection School	11/23/2016	9:40	RES-LEVEL1-GIRLSRR-LSINK-RES8	Lead, ppb	<1	Less than detection level
RES9	Resurrection School	11/23/2016	9:40	RES-LEVEL1-GIRLSRR-RSINK-RES9	Lead, ppb	<1	Less than detection level
RES10	Resurrection School	11/23/2016	9:40	RES-LEVEL1-GIRLSRR-FRSINK-RES10	Lead, ppb	<1	Less than detection level
RES11	Resurrection School	11/23/2016	9:40	RES-LEVEL1-GIRLSRR-UTILITYSINK-RES11	Lead, ppb	<1	Less than detection level

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RES12	Resurrection School	11/23/2016	9:40	RES-LEVEL1-TITLE1RM-SINK-RES12	Lead, ppb	147	Extremely high lead level. Above 15ppb federal action level and 20ppb level identified by USEPA to trigger schools to take action to reduce lead. Until a defined remediation plan is created, immediately remove from service (tag out of service and/or disconnect the water supply to this location).
RES13	Resurrection School	11/23/2016	9:40	RES-LEVEL1-KITCHEN-SINK-RES13	Lead, ppb	<1	Less than detection level
RES14	Resurrection School	11/23/2016	9:40	RES-LEVEL1-BOILERRM-HB-RES14	Lead, ppb	10	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RES15	Resurrection School	11/23/2016	9:40	RES-LEVEL2-STAFFRR-SINK-RES15	Lead, ppb	1.08	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RES16	Resurrection School	11/23/2016	9:40	RES-LEVEL2-FACULTYLOUNGE-SINK-RES16	Lead, ppb	1.59	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RES17	Resurrection School	11/23/2016	9:40	RES-LEVEL2-HALLWAYNEARSECRETARYOFF-LDF-RES17	Lead, ppb	<1	Less than detection level
RES18	Resurrection School	11/23/2016	9:40	RES-LEVEL2-HALLWAYNEARSECRETARYOFF-RDF-RES18	Lead, ppb	<1	Less than detection level

**Cincinnati Archdiocese - Resurrection of Our Lord School and Church- Lead Testing Results**

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RES19	Resurrection School	11/23/2016	9:40	RES-LEVEL3-ROOM5-SINK-RES19	Lead, ppb	2.15	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RES20	Resurrection School	11/23/2016	10:00	RES-SCHOOL-OUTSIDE-HB-RES20	Lead, ppb	110	Extremely high lead level. Above 15ppb federal action level and 20ppb level identified by USEPA to trigger schools to take action to reduce lead. Until a defined remediation plan is created, immediately remove from service (tag out of service and/or disconnect the water supply to this location).
RESCH1	Resurrection Church	11/23/2016	10:15	RESCH-CHURCH-CRYRM-SINK-RESCH1	Lead, ppb	<1	Less than detection level
RESCH2	Resurrection Church	11/23/2016	10:14	RESCH-CHURCH-SACRISTY-SINK-RESCH2	Lead, ppb	1.96	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RESCH3	Resurrection Church	11/23/2016	10:13	RESCH-CHURCH-VESTINGRM-SINK-RESCH3	Lead, ppb	3.39	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.

**Cincinnati Archdiocese - Resurrection of Our Lord School and Church- Lead Testing Results**

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RESCH4	Resurrection Church	11/23/2016	10:12	RESCH-CHURCH-VESTINGRMRR-SINK-RESCH4	Lead, ppb	6.04	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RESCH5	Resurrection Church	11/23/2016	10:11	RESCH-CHURCHBASEMENT-GIRLSRR-SINK-RESCH5	Lead, ppb	2.34	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
RESCH6	Resurrection Church	11/23/2016	10:10	RESCH-CHURCHBASEMENT-BOYSSRR-SINK-RESCH6	Lead, ppb	11.1	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.