



September 14, 2016

God's Bible School and College
Cheryl Watters
Executive Assistant to the President
Human Resource Director
1810 Young St., Cincinnati, OH 45202

Dear Cheryl Watters:

Attached please find the results of the lead analyses performed for God's Bible School and College 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 and samples analyzed and additional steps needed to help ensure the safety of all the students within the schools.

School Sample Results

In August, God's Bible School and College staff collected 58 samples from drinking fountains, sinks, and a tub faucet. Of these 58 samples, by normal consideration of these types of sample locations, 57 could be considered drinking water and cooking outlets in the school. The results show the following:

- 44 samples (75.86%), below the detection level (<1)
- 11 samples (18.97%), between 1ppb and 5ppb
- 1 sample (1.73%), between 5ppb and 10ppb
- 0 samples (0%), between 10ppb and 15ppb
- 1 sample (1.72%), greater than 15ppb
- 1 sample (1.72%), greater than 15 ppb, however, not a drinking water and cooking outlet (tub faucet).

Fifteen parts per billion (ppb), is the Lead and Copper Rule federal action level; desired results are below 15. 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 provided some next-steps comments within the attached table outlining the results as well as below.

- The predominant recommendation from GCWW is to remove the drinking water and cooking outlet locations with high lead levels from service until a remediation plan is created. The 3Ts Guidelines outlines a great approach to creating and implementing a remediation plan. Some fixtures may be contributing to the lead detections in samples. 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. Program information can be found on the Ohio Facilities Construction Commission (OFCC) website <http://ofcc.ohio.gov/ServicesPrograms/LeadFixtureReplacementGrants.aspx>.
- Although lower than the action level of 15 ppb, for those samples with lead detections, consider follow-up sampling at these locations.
- 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.
- 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 God's Bible School and College.

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 God's Bible School and College. Our resources are available to assist in many ways. Please contact Lynette Whiteberry at 591-7976 or 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. Odell Owens, 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

God's Bible School and College - Lead Testing Results

#	SAMPLE DATE	SAMPLE TIME	SAMPLE NAME	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEW/RECOMMENDATIONS
1	8/22/2016	30:00.0	#1_GBS_SINK_1815#1	Lead, ppb	<1	Less than detection level
2	8/20/2016	30:00.0	#2_GBS_SINK_1815#2	Lead, ppb	<1	Less than detection level
3	8/21/2016	20:00.0	#1_GBS_SINK_1905#1	Lead, ppb	<1	Less than detection level
4	8/20/2016	00:00.0	#2_GBS_SINK_1905#2	Lead, ppb	<1	Less than detection level
5	8/19/2016	45:00.0	#3_GBS_SINK_1905#3	Lead, ppb	<1	Less than detection level
6	8/20/2016	31:00.0	#4_GBS_SINK_1905#4	Lead, ppb	1.27	Less than 15ppb action level
7	8/19/2016	00:00.0	#5_GBS_SINK_1905#5	Lead, ppb	<1	Less than detection level
8	8/19/2016	35:00.0	#6_GBS_SINK_1905#6	Lead, ppb	<1	Less than detection level
9	8/21/2016	05:00.0	#7_GBS_SINK_1905#7	Lead, ppb	<1	Less than detection level
10	8/29/2016	25:00.0	#8_GBS_SINK_1905#8	Lead, ppb	<1	Less than detection level
11	8/19/2016	40:00.0	GBS_SINK_1930	Lead, ppb	<1	Less than detection level
12	8/12/2016	00:00.0	GBS_SINK_1908	Lead, ppb	<1	Less than detection level
13	8/20/2016	25:00.0	GBS_SINK_1902	Lead, ppb	<1	Less than detection level
14	8/22/2016	25:00.0	GBS_TUBFAUCET_1834	Lead, ppb	47.5	High Lead Level. The USEPA 3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance Document (3Ts Guidelines) recommends sampling drinking water and cooking outlets in schools. Conduct a plumbing profile to understand the material of the fixture at this sample point. Review 3Ts guidelines to understand options to reduce lead. If this sample point is used for drinking water or cooking purposes, until a remediation plan is created to address this high lead level, remove this location from service (tag out of service and/or turn off water supply to this location).
15	8/21/2016	00:00.0	#1_GBS_SINK_1832#1	Lead, ppb	<1	Less than detection level
16	8/20/2016	27:00.0	#2_GBS_SINK_1832#2	Lead, ppb	<1	Less than detection level
17	8/20/2016	58:00.0	#1_GBS_SINK_1837#1	Lead, ppb	<1	Less than detection level
18	8/21/2016	39:00.0	#2_GBS_SINK_1837#2	Lead, ppb	<1	Less than detection level
19	8/20/2016	00:00.0	#3_GBS_SINK_1837#3	Lead, ppb	<1	Less than detection level

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#	SAMPLE DATE	SAMPLE TIME	SAMPLE NAME	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEW/RECOMMENDATIONS
20	8/21/2016	30:00.0	#1_GBS_SINK_1803#1	Lead, ppb	<1	Less than detection level
21	8/20/2016	16:00.0	#2_GBS_SINK_1803#2	Lead, ppb	<1	Less than detection level
22	8/21/2016	35:00.0	#3_GBS_SINK_1803#3	Lead, ppb	<1	Less than detection level
23	8/21/2016	05:00.0	#4_GBS_SINK_1803#4	Lead, ppb	5.54	Less than 15ppb action level
24	8/21/2016	45:00.0	GBS_SINK_532	Lead, ppb	1.1	Less than 15ppb action level
25	8/20/2016	15:00.0	GBS_DRINKINGFOUNTAIN_LIBRARY	Lead, ppb	1.05	Less than 15ppb action level
26	8/21/2016	00:00.0	#1_GBS_SINK_537#2MOS	Lead, ppb	4.58	Less than 15ppb action level
27	8/22/2016	00:00.0	GBS_SINK_511RING	Lead, ppb	<1	Less than detection level
28	8/21/2016	25:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_GIRLS2ND	Lead, ppb	<1	Less than detection level
29	8/20/2016	40:00.0	GBS_CAMPUS_WATERFOUNTAIN_STUCTRGYM	Lead, ppb	<1	Less than detection level
30	8/21/2016	40:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_ACA	Lead, ppb	<1	Less than detection level
31	8/21/2016	45:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_HIGHSCHOOL	Lead, ppb	<1	Less than detection level
32	8/22/2016	29:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_BOYS1STRESSID	Lead, ppb	<1	Less than detection level
33	8/20/2016	45:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_STUCTRBAND	Lead, ppb	1.19	Less than 15ppb action level
34	8/22/2016	31:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_BOYS1STFACSIDE	Lead, ppb	<1	Less than detection level
35	8/20/2016	30:00.0	GBS_CAMPUS_SINK	Lead, ppb	<1	Less than detection level
36	8/21/2016	23:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_GIRLS-3RD	Lead, ppb	3.93	Less than 15ppb action level
37	8/22/2016	36:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_BOYS3RD	Lead, ppb	<1	Less than detection level
38	8/22/2016	45:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_FACILITIES	Lead, ppb	<1	Less than detection level
39	8/22/2016	25:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_BOYS-3RD	Lead, ppb	<1	Less than detection level
40	8/21/2016	21:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_GIRLS4TH	Lead, ppb	<1	Less than detection level
41	8/20/2016	45:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_MUSIC	Lead, ppb	<1	Less than detection level
42	8/21/2016	27:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_GIRLS1ST	Lead, ppb	<1	Less than detection level
43	8/22/2016	34:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_BOYS2ND	Lead, ppb	<1	Less than detection level
44	8/20/2016	35:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_STUCTRFRONT	Lead, ppb	1.67	Less than 15ppb action level
45	8/20/2016	38:00.0	GBS_CAMPUS_DRINKINGFOUNTAIN_STUCTRSNACKSHOP	Lead, ppb	2.43	Less than 15ppb action level

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#	SAMPLE DATE	SAMPLE TIME	SAMPLE NAME	PARAMETER CODE	AMOUNT	GCWW COMMENTS/REVIEW/RECOMMENDATIONS
46	8/22/2016	10:00.0	GBS_SINK_538	Lead, ppb	30.1	High Lead level. Until a remediation plan is created to address this high lead level, remove this location from service (tag out of service and/or turn off water supply to this location). Conduct a plumbing profile to understand the material of the fixtures at this sample point. Review 3Ts guidelines to understand options to reduce lead.
47	8/20/2016	23:00.0	GBS_SINK_535CH	Lead, ppb	<1	Less than detection level
48	8/22/2016	00:00.0	GBS_SINK_531	Lead, ppb	<1	Less than detection level
49	8/21/2016	20:00.0	GBS_SINK_525	Lead, ppb	<1	Less than detection level
50	8/22/2016	00:00.0	GBS_SINK_523	Lead, ppb	<1	Less than detection level
51	8/19/2016	36:00.0	#1_GBS_SINK_518#1	Lead, ppb	<1	Less than detection level
52	8/21/2016	00:00.0	GBS_SINK_544	Lead, ppb	<1	Less than detection level
53	8/29/2016	34:00.0	#9_GBS_SINK_511#9	Lead, ppb	<1	Less than detection level
54	8/21/2016	30:00.0	GBS_SINK_516	Lead, ppb	1.38	Less than 15ppb action level
55	8/22/2016	00:00.0	GBS_SINK_520	Lead, ppb	<1	Less than detection level
56	8/22/2016	28:00.0	GBS_SINK_522	Lead, ppb	1.96	Less than 15ppb action level
57	8/21/2016	55:00.0	#2_GBS_SINK_518#2	Lead, ppb	<1	Less than detection level
58	8/22/2016	2:27	GBS_SINK_1904	Lead, ppb	2.06	Less than 15ppb action level