October 11, 2018

McAuley High School
Bill Glynn
6000 Oakwood Avenue
Cincinnati, OH 45224

Dear Bill:

Samples for various locations were collected in a resample round of lead analyses for McAuley High School. Greater Cincinnati Water Works (GCWW) analyzed the samples and compared the results.

School Sample 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. Results are shown below.

Cincinnati Archdiocese - McAuley High School Lead Testing Results-Resamples					
SAMPLE	Initial 1st Draw sample Date 1/26/17 Lead, ppb	Changes made after first round of sampling	1st Draw sample Date 2/23/18 Lead, ppb	30 second flush sample Date 2/23/18 Lead, ppb	60 second flush sample Date 2/23/18 Lead, ppb
MCA-KIT-DISPOSALW/SPRAY-SINK-MCA7	26.7	Cleaned aerator; flushed the lines	31.2	1.47	1.16
MCA-FL2-204LWALL-LSINK-MCA66	40.4	Cleaned aerator; flushed the lines	5.93	2.42	<1
MCA-FL2-218-LSINK-MCA98	23.3	Cleaned aerator; flushed the lines	23.3	1.51	1.75
MCA-FL2-218-RSINK-MCA99	283	Cleaned aerator; flushed the lines	13	1.42	1.3
MCA-FL2-215FRONTDESK-LSINK-MCA100	72.9	Cleaned aerator; flushed the lines	11.8	2.58	1.84
MCA-FL2-215FRONTDESK-RSINK-MCA101	70.6	Cleaned aerator; flushed the lines	63.8	4.42	5.87
MCA-FL1-GIRLSLOCK-UTILITYSINK-MCA111	125	Cleaned aerator; flushed the lines	2.52	1.21	<1

Changes made and Next Steps

After conducting a first round sampling in January 2017, remediations were done, and resamples were collected in February 2018. For all of the locations in the resample round, the aerators were cleaned and the lines were flushed with ample water before resampling. Below are the next steps:

1. For three sample locations; MCA7, MCA98, and MCA101 the results are above the action level similar to levels found in the first-round sampling. After flushing for 30 and 60 seconds, lead levels were greatly reduced. This may be due to particles trapped on the aerator or particles that were knocked loose while cleaning/flushing. Given the high levels at these locations, consider replacing the aerators or posting signs to limit use at these sinks.

2. Sample locations, MCA-FL2-218-RSINK-MCA99 and MCA-FL2-215FRONTDESK-LSINK-MCA100, lead levels are reduced, below the action level. Even though cleaning and flushing reduced lead levels, samples collected after a 30 and 60 second flush have detections. This may be due to particles trapped on the aerator or particles that were knocked loose while cleaning/flushing. Given these results are below the action limit, consider how often these sinks are being used. If they are not used on a regular basis, they may need to be flushed often before use. If use is infrequent, the risk of increased lead levels may be greater; consider posting signs to limit the use. Refer to the 3Ts guidelines.

3. Results at sample locations, MCA-FL2-204LWALL-LSINK-MCA66 and MCA-FL1-GIRLSLOCK-UTILITYSINK-MCA111, were reduced after cleaning and flushing the lines. Although these changes further reduced lead levels; results show, flushing the line before use helps lower lead levels below detection. No further action is suggested.

Your work and changes in the school continue to improve the water quality for the students and staff. Your decisions and actions throughout this process speak to your care and commitment to ensure students and staff remain safe and healthy while attending your school.

Our resources are available to assist in many ways. Please contact Jim Nelson at 591-6869 if you have any questions.

Sincerely,

Cathy B. Bailey

Cathy B. Bailey
Director/Greater Cincinnati Water Works

Cc: Melba Moore, Cincinnati Health Department
Dr. Camille Jones, Cincinnati Health Department
Chuck DeJonckheere, Hamilton County Public Health
Verna Arnette, Greater Cincinnati Water Works
Jeff Swertfeger, Greater Cincinnati Water Works
Jason DeLaet, Greater Cincinnati Water Works
James Nelson, Greater Cincinnati Water Works