



October 12, 2018

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

**Roll Hill  
Resample**

Dear Cynthia:

**Samples for various locations were collected in a resample round of lead analyses for Roll Hill Academy. 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.

<b>Cincinnati Public Schools - Roll Hill Academy Lead Testing Results-Resamples</b>					
<b>SAMPLE</b>	<b>Initial 1st Draw sample Date 5/3/18 Lead, ppb</b>	<b>Changes made after first round of sampling</b>	<b>1st Draw sample Date 9/27/18 Lead, ppb</b>	<b>30 second flush sample Date 9/27/18 Lead, ppb</b>	<b>60 second flush sample Date 9/27/18 Lead, ppb</b>
RHA-FL1-NEAR1043ELA-SINK-RHA69	27.2	Cleaned aerator; flushed the line	82.1	<1	<1
RHA-FL1-NEAR1043ELA-DF-RHA70	18.7	Cleaned fixture; flushed the line	<1	<1	<1
RHA-FL1-NEAR1063ELA-SINK-RHA79	29.4	Cleaned aerator; flushed the line	1.13	<1	<1
RHA-FL2-2066-SINK-RHA112	36.9	Cleaned aerator; flushed the line	15.9	<1	<1
RHA-FL2-2048-SINK-RHA153	17.4	Cleaned aerator; flushed the line	9.4	<1	<1

**Changes made and Next Steps**

After conducting a first round sampling in May 2018, remediations were done, and resamples were collected in September 2018 at five locations. For these locations in the resample round, the aerators/fixtures were cleaned and the lines were flushed with ample water before resampling. Below are the next steps:

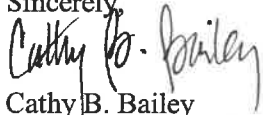


1. For sample locations RHA69 and RHA112, the results show that after cleaning and flushing, lead levels are still above the action level. At location RHA69, lead levels increased and are higher than first-round sampling results. Samples collected after 30 and 60 second flushes resulted in lead levels below detection. This may be due to particles trapped on the aerators or particles that were knocked loose while cleaning/flushing.
  - a. Given the high level at these locations, consider cleaning the aerators again or replacing them and resampling again to see if the results are repeated at these locations. If they repeat, other factors will need to be considered (issues with fixture, plumbing materials behind the fixture, etc.).
  - b. Consider how often these sinks are being used. If they are not used on a regular basis, they may need to be flushed before use. The risk of increased lead levels may be greater; consider limiting the use of these sinks. Refer to the 3Ts guidelines.
2. Results for sample locations RHA79 and RHA153, lead levels were reduced after cleaning and flushing. Although these changes further reduced lead levels below the action level; results show that flushing the lines help lower the levels below detection. No further action is suggested.
3. Results for other locations were reduced after cleaning and flushing. These changes further reduced 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

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