



October 11, 2018

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

## Covedale Resample

Dear Cynthia:

**Samples for various locations were collected in a resample round** of lead analyses for Covedale 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 on page 2.

### Changes made and Next Steps

After conducting a first round sampling in January 2018, remediations were done, and resamples were collected in May 2018. Below are the changes made and next steps:

1. For three sample locations; COV43, COV85, and COV88 the results after cleaning the aerators and flushing the lines greatly reduced the amount of lead. Even though the cleaning and flushing reduced lead levels, the result did go up after the 60 second flushing. This may be due to particles trapped on the aerator or particles that were knocked loose while cleaning/flushing.
  - a. Given the high levels at these locations, consider cleaning the aerators again or replacing them to see if the results are repeated at these locations when resampled. 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 often 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 location, COV-FL2-2140-SINK-COV77, were greatly reduced after cleaning the aerator and flushing the line. These changes further reduced lead levels below detection; no further action is suggested.
3. At sample location, COV-FL2-2142-DF-COV80, the results were reduced after cleaning the fixture and flushing the line. Although these changes further reduced lead levels; results show, small amounts of lead are still detected even after flushing. Consider how often the drinking fountain is being used. If it is not used on a regular basis, it may need to be flushed often before use.

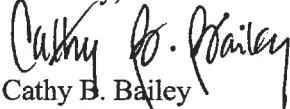


| Cincinnati Public Schools - Covedale School |   |  |  |   |   |
|---|---|--|--|---|---|
| Lead Testing Results-Resamples              |   |  |  |   |   |
| SAMPLE                                      | Initial 1st Draw sample Date 11/15/17 Lead, ppb | Changes made after first round of sampling | 1st Draw sample Date 5/11/18 Lead, ppb | 30 second flush sample Date 5/11/18 Lead, ppb | 60 second flush sample Date 5/11/18 Lead, ppb |
| COV-FL1-1110-SINK-COV43                     | 19.6  | Cleaned aerator; flushed the line          | 1.48                                   | 1.09  | 27.6  |
| COV-FL2-2140-SINK-COV77                     | 60.2  | Cleaned aerator; flushed the line          | <1                                     | <1  | <1  |
| COV-FL2-2142-DF-COV80                       | 30.6  | Cleaned fixture; flushed the line          | 1.22                                   | 1.84  | 1.84  |
| COV-FL2-2145-SINK-COV85                     | 16.4  | Cleaned aerator; flushed the line          | <1                                     | *EX00   | 21.6  |
| COV-FL3-3118FWALL-RSINK-COV88               | 15.8  | Cleaned aerator; flushed the line          | 14.3                                   | <1  | 19  |
| *EX00 - Sample Missing                      |   |  |  |   |   |

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