

July 17, 2017

To: Board of Education
From: Nelson W. Gray and Mike Vilendrer
Subject: Reporting of the Water Sampling Results Conducted by Professional Service Industries, Inc.

Board Policy: 4:150 – Facility Management and Building Programs
4:160 - Environmental Quality of Buildings and Grounds

Background

On January 16 of this year, Governor Bruce Rauner signed Senate Bill 0550, Public Act 099-0922, the Lead in Drinking Water testing bill. The bill requires all Pre-K to 5th grade schools to conduct a one-time test for lead in the drinking water. The testing was required to be completed by December 31, 2017 for schools that were constructed prior to January 1, 1987. The Illinois Department of Public Health (IDPH) is the supervising agency for this bill. The IDPH preferred that the water testing be done during normal school operations without purging or influencing the sampling process. The water samples are required to be analyzed by an Illinois Environmental Protection Agency (IEPA) accredited laboratory. The bill requires that all sampling results be reported to the IDPH within seven (7) business days. The bill requires that any results over five (5) parts per billion (ppb) the district must provide individual notification to parents or guardians. The notification must include:

- The corresponding sample location within the school building
- The United States EPA’s website for information about lead in drinking water

While IDPH has a reporting threshold of five (5) ppb, the EPA action level for lead in drinking water is fifteen (15) ppb. For further information please reference the Lead In Water page on the IDPH website dph.illinois.gov.

The Board of Education approved a contract at the May 2017 board meeting for Professional Service Industries, Inc. to perform the testing.

Buildings required to be tested:

Central Elementary School	North Elementary School
Cumberland Elementary School	Orchard Place Elementary School
Early Learning Center	Plainfield Elementary School
Forest Elementary School	South Elementary School
Iroquois Community School	Terrace Elementary School

Optional buildings tested:

Algonquin Middle School
Chippewa Middle School

Reporting

Professional Service Industries, Inc. conducted the water testing on May 31st and June 1st of 2017. The testing process involved taking two water samples from each required water source. The water sources were to have not been used for at least eight (8) hours, but not more than eighteen (18) hours. A “first-draw” sample was collected. The water source was allowed to flush for thirty (30) seconds. A “second-draw” sample was then collected. The water samples were analyzed by STAT Analysis Corporation of Chicago. STAT Analysis Corporation is one of the accredited laboratories on the list provided by the IDPH and IEPA.

Professional Services Industries, Inc. collected 690 water samples from 345 water sources district-wide. The laboratory analysis identified thirty-four (34) samples that were above the IDPH notification level of five (5) ppb. Twelve (12) of the thirty-four (34) samples were over the EPA action level of fifteen (15) ppb. Please refer to the attached Exhibit A, which details the thirty-four (34) samples above the IDPH notification level and the actions taken to remedy them.

Action

The IDPH provides a guidance document for mitigating lead in drinking water. The Mitigation Strategies document includes a step-by-step Water Quality Management Plan. The Management Plan reviews the mitigation methods of scheduled water flushing programs, fixture replacements, and the permanent removal of fixtures or water lines. The district Maintenance Department will utilize all three of these methods to remedy the thirty-four (34) samples. Additionally, the district Maintenance Department will implement a district-wide flushing program for all fixtures tested during this process through the preventive maintenance software program.

Communications

Results will be communicated to parents or guardians and posted on the district website as required by the statute before school starts.

Recommendation

There is no action required by the Board of Education on this report. This report is informational in nature.