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Mold Assessment
and Remediation

August 18, 2022

Health/Safety and
Environmental
Regulatory
Compliance

Mr. Andrew Kennedy
Facilities Manager
Bloomsbury Board of Education
20 Main Street
Bloomsbury, NJ 08804-9801

Right-To-Know

re: **Water Sampling for Compliance with N.J.A.C. 6A:26-12.4
Lead in Drinking Water**

OSHA/EPA/DOT
Training Programs

Dear Mr. Morris,

Asbestos and Lead
Management

We enclose the following documents and related information package for compliance with the new NJ Department of Education Regulation related to Lead in Drinking Water in school buildings:

Industrial Hygiene/
OSHA Compliance

Sampling Report Narrative	4 pages
Water Sampling Log and Results	1 page
Laboratory Analytical Report (digital copy only via email, 17 pages)	

Indoor Air Quality

As discussed, all sample results for Lead were below the NJ Standard of 0.015 mg/L. However, 5 of the 9 samples had measured Lead content exceeded 0.005 mg/L. This is the threshold that EPA recommends the water tap be opened for inspection and cleaned of any built-up sediment that may be present.

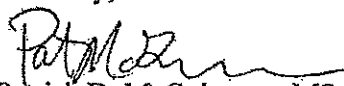
Underground/
Aboveground
Storage Tanks

All sample results for Copper were also well the NJ standard of 1.3 mg/L. If you have any questions, please don't hesitate to call us.

Environmental
Site Assessment

Sincerely,

Hazardous/
Medical Waste
Management


Patrick D. McGuinness, MS, P.E.
Vice President

Environmental
Audits

PDM/

(file \Reports\Watertest\Bloomsbury-211)

Expert Witness/
Litigation Support

Customized
Software

DEP Certification No. PA010). The analytical method is per EPA 600/4-79-020, Method 200.8 via atomic absorption, platform furnace technique.

3. Sample Results and Discussion

Sampling results are discussed below and the sampling log is appended to this report. All results are expressed as milligrams of Lead or Copper per liter of water (mg/L) and compared against the current 0.015 mg/L Action Level.

It is important to note that the laboratory results are reported in terms of micrograms per liter ($\mu\text{g/L}$). This is essentially equivalent to parts of Lead per billion (ppb) parts of water. The Action level also translates to 15 ppb.

A total of 9 water samples were collected on July 29, 2021. None of the samples exceeded the 0.015 mg/L Action Level. Two (2) water samples had no detectible levels of lead present and while 5 water samples had a Lead content greater than 5 PPB.

4. Recommendations and Future Work

All water sample results showed acceptable results for Lead content. The following responses include those required by N.J.A.C. 6A:26-12.4 and our recommendations to maintain the drinking water quality as it relates to Lead contamination.

The NJDOE regulations requires that:

- These sampling results be made publically available at the school building and on the School District's website.
- The School District shall collect drinking water samples and analyze for Lead at any drinking water outlet that has been replaced or after any alterations to the plumbing or service lines to the outlet. Do not consume or cook with water from the affected outlet until acceptable Lead results are obtained.
- Repeat water sampling within 3 years of the date of this sampling or before July 2024.

In addition, we suggest that the following responses to minimize the potential for Lead contamination of drinking water:

Administrative Responses:

- There are several factors that influence the potential for Lead and Copper corrosion potential in drinking water piping systems. These include the chemistry of the water supplied being supplied to the building, water temperature and velocity through the piping, the age and condition of the plumbing, and the amount of time the water sits "stagnant" in contact with piping and drinking water fixtures. This last factor is the only one that a building owner has any control of.

Name of Building	<u>Bloomsbury School</u>	Date Collected	29-Jul-21
Building Owner	<u>Bloomsbury Board of Education</u>	Sample Collected by	Chase M Adams

Sample Type: **1st:** First Draw sample collected after water sat in pipe between 8 and 18 hours
FL: Water flushed through tap for at least 2 minutes
<: means Not Detected at or above the Reliability Detection Limit (RDL) of 0.0020 mg/L for Lead.