



Environmental
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CLIENT: Cranford Board of Education Pr. No.: 1022-412
PROJECT: Bloomington Avenue School Lead (Pb) in water sampling
FIELD TECHNICIANS: Polina Shchutckaia
REPORT DATE: June 21, 2017 REVISED DATE: June 21, 2017

Environmental Remediation & Management, Inc. was contacted by Cranford Board of Education to conduct a Lead (Pb) in water sampling at Bloomington Avenue School.

Polina Shchutckaia, an environmental field technician with ER&M, arrived at the project site at approximately 9:10 am on June 10, 2017 and proceeded to collect water samples from all drinking fountains and cooking sinks. Water sources to have any chance of being used for drinking, cooking etc... All collected samples are First Draw Samples – first 250 ml of cold water collected from the drinking water outlet. The water in the school facility must remain motionless in the plumbing for a minimum 8 hours but no more than 48 hours.

Samples were analyzed at International Asbestos Testing Laboratories (IATL), New Jersey (NJDEP No.: 03863). Analytical method was Lead in Water by AAS Graphite Furnace (ASTM D3559-08D, USEPA 40 CFR 141.11B, 2010).

Three samples within the Bloomington Avenue School came back at or above the recommended 'action level' as established by The United States Environmental Protection Agency (USEPA) of 15 parts per billion (ppb).

BLOOMINGTON AVENUE SCHOOL LEAD (PB) IN WATER RESULTS OF CONCERN

| Sample No. | Location | Results |
|------------|---------------------|----------|
| CBAF2 | Room 1 | 57.5 ppb |
| CBAF4 | Kindergarten | 64.0 ppb |
| CBAF12 | Room 5 | 24.2 ppb |

*Highlighted results are at or exceed the USEPA allowable limit of 15 Parts Per Billion (ppb).

At this moment we recommend that some or all of the following steps be taken:

- Closure of certain water taps until the system can be further evaluated and proper remedial action is achieved.
- Removal and replacement with non-lead containing fixtures.
- Installation of filtration systems (including post installation performance monitoring)
- Contact the water utility to obtain information about their corrosion control procedures and how it might affect the Districts control plans.
- Development of a Flushing Program for those taps high in lead and turbidity. This may include automatic flushing systems.

If you have any questions, or if we could be of any further assistance, please feel free to contact our office. EnviroVision / ER&M looks forward to providing your home with the service and attention to detail you have come to expect from us.

Sincerely,



Guillermo M. Morales
EnviroVision Consultants, Inc.
Environmental Remediation & Management, Inc.