



Environmental
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CLIENT: Cranford Board of Education Pr. No.: 1022-412

PROJECT: Walnut Avenue School Lead (Pb) in water sampling

FIELD TECHNICIANS: Steven Audenried

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 Walnut Avenue School.

Steven Audenried, an environmental field technician with ER&M, arrived at the project site at approximately 5:55 am on June 9, 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).

One sample within the Walnut 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).

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

Sample No.	Location	Results
CWAF13	Room 11	31.7 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.