



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

PROJECT: Orange 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 Orange Avenue School.

Polina Shchutckaia, an environmental field technician with ER&M, arrived at the project site on June 8-9, 2017 prior to School's employees and occupants arrival 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 Orange 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).

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

Sample No.	Location	Results
COAF16	Girl's Locker room	26.6 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.