

November 14, 2024

RE: Washington Avenue School – Lead in Water Testing

Dear Pleasantville School District Community,

The Board of Education and Administration of the Pleasantville School District is committed to protecting our community and be in compliance with the Department of Education regulations. As such, we tested The Washington Avenue School water for Lead in water.

In accordance with the Department of Education regulations, the Pleasantville School District will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 ug/l, parts per billion (ppb).

Results of our Initial Testing

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection (DEP), we completed a plumbing profile of the Washington Avenue School. Through this effort, we identified and tested all drinking water and food preparation outlets. **Of the 20 samples taken, All locations tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 ug/l ppb).**

Results of our Confirmation Testing

No confirmation testing is required.

How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1987, congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning may contain fairly high levels of lead.

Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. Lead in drinking water, although rarely the sole cause of lead poisoning, can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

For More Information

A copy of the test results is available in our district office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30am and 4:00pm. It is also available on our website at www.pps-nj.us. For more information about water quality in our schools, contact Mr. Vance Brock, Director of Buildings & Grounds, at 609-383-6800.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's website at www.epa.gov/lead, call the National Lead Information Center at 800-424-LEAD, or contact your health care provider. If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

As always, your child's and our employees' health and safety are the Pleasantville School District's highest priority. We value your partnership and are happy to address any questions or concerns you may have about our lead testing program.

Sincerely,

Dr. Marilyn Martinez
Superintendent of Schools

PLEASANTVILLE SCHOOL DISTRICT

WASHINGTON AVENUE SCHOOL

225 W. WASHINGTON AVENUE

PLEASANTVILLE, NJ 08232

LEAD DRINKING WATER TESTING SAMPLING PLAN

NOVEMBER/2024

Mr. Vance Brock
Pleasantville School District
801 Mill Road
Pleasantville, NJ 08232



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1. INTRODUCTION

This Lead Drinking Water Testing Sampling Plan (Sampling Plan) was developed by the **PLEASANTVILLE SCHOOL DISTRICT** based on guidance developed by the New Jersey Department of Environmental Protection (NJDEP) and the United States Environmental Protection Agency (USEPA), to establish a plan for sampling lead at drinking water outlets used for consumption or food preparation in every school within the District (See Attachment A for full school listing). The data collected through the execution of this Sampling Plan will determine if immediate remedial measures are necessary and will assist in the prioritization of future water testing for lead in accordance with this Sampling Plan.

This Sampling Plan is based on the USEPA publication, “The 3Ts for Reducing Lead in Drinking Water in Schools” and NJDEP guidance.

The District has also developed a Quality Assurance Project Plan (QAPP) for the sampling program which is available under separate cover.

2. OBJECTIVE

The 1988 Lead Contamination Control Act (LCCA) is aimed at identifying and reducing lead (Pb) in drinking water in schools and childcare facilities. In response, the USEPA prepared guidance documents to assist school districts in meeting the requirements of the LCCA. The guidance documents were used as a resource in developing this Sampling Plan.

It should be noted, for the purpose of determining immediate remedial measures (i.e. taking drinking water outlets out of service and notifying parents/guardians of results), the District is required to utilize the lead action level established in the SDWA rules by the USEPA at 40 CFR 141.80 for lead in drinking water. At the time of development of this Sampling Plan, the lead action level is 15 µg/L, which is more stringent than the guidance provided by USEPA in their Lead in Schools Guidance which recommends action be taken at drinking water outlets greater than 20 µg/L. Schools in New Jersey that are served by their own well (not public water), which are regulated pursuant to the Federal and New Jersey SDWA, must adhere to the 15 µg/L value for determining compliance.

3. SAMPLING PROJECT COORDINATION

Testing for lead in schools requires a coordinated effort especially when multiple schools are to be included in the testing effort. Designated personnel and set protocols are essential to ensuring a coordinated effort.

3.1 School District Program Manager (Program Manager)

PLEASANTVILLE SCHOOLS

Program Manager: Mr. Vance Brock, Director of Facilities

P: **609-368-6800** x 3112 * Email: brock.vance@pps-nj.us

The School District Program Manager (Program Manager) is the overall authority in the execution of the District's lead sampling project. He/she is responsible for the initial notification to the District of the testing program, obtaining funds for testing, assigning the Sampling Project Manager, requesting/enlisting the assistance from other District departments if needed, approving the District's QAPP(s), approving the Final Report for each school and coordinating with other District officials to make the results of the testing available to the public.

3.2 Sampling Project Manager (Project Manager)

PLEASANTVILLE SCHOOLS - Project Manager: Mr. Vance Brock, Director of Facilities
P: 609-368-6800 x 3112 * Email: brock.vance@pps-nj.us

The Sampling Plan Project Manager (Project Manager) is responsible for overseeing the execution of lead sampling at each of the district's schools. This involves the prioritization of schools to be sampled, and adherence with the District's Sampling Plan and QAPP. He/she serves as the liaison between the District, State agencies, local Health Departments, laboratories and public water systems (if applicable). He/she reports to the Program Manager.

Project Manager Responsibilities

- Prepare the District's Specific Quality Assurance Project Plan (QAPP) and Sampling Plan;
- Manage the Sampling Plan and QAPP;
- Oversight of Individual School Project Officers (Project Officers) to ensure that they adhere to the Sampling Plan procedures and the QAPP;
- Purchase of equipment needed for district lead sampling;
- Coordinate with New Jersey laboratories certified for lead testing in drinking water;
- Coordinate with Project Officers to establish sampling schedules;
- Ensure properly signed QAPPs are in place prior to initiation of sampling;
- Verify that officials from each school are aware when sampling is scheduled and the expected duration;
- Review of the School Field Sampling Summary Reports prepared by Project Officers;
- Review of Laboratory Data Reports (LDR) from Laboratory Managers;
- Review of Final Project Reports prepared by Project Officers;
- Identify limitations in the use of any laboratory data due to information provided in the accompanying School Field Sampling Summary Report;
- Maintain the original signed QAPP(s);
- Maintain documents, reports and records listed in QAPP, including:
 - Laboratory Data Reports (LDR)
 - Copy of Field Sampling Summary Report with copies of field logbooks,
 - Field Walk-Through reports including Attachments B, C, D E and F of this Sampling Plan,
 - Chain of custody forms and flush tags.
 - Copy of Final Project Report
- Maintenance of other relevant records, such as:

- Purchase orders for analytical costs (copy).
- Agreement with laboratory to sample, analyze, and report with details for payment
- Receipts (originals or copies)

3.2 Individual School Sampling Project Officers (Project Officers)

An Individual School Sampling Project Officer (Project Officer) is assigned for each school. A Project Officer should be someone who is familiar with the school building layout and plumbing system. See District's QAPP for a list of the Project Officers.

Project Officer Responsibilities

- General project oversight for assigned school(s).
- Generate field logbook for each assigned school. Document field activities including any changes to procedures outlined in the Sampling Plan or QAPP.
- Ensure proper completion of the Plumbing Profile Form for assigned school(s) - See Attachment B.
- Oversight of completion of the following reports found in the Sampling Plan which require sign-off by Project Officer:
 - Water Outlet Inventory (Attachment C)
 - Filter Inventory (Attachment D)
 - Flushing Log (Attachment E)
 - Pre Sampling Water Use Certification (Attachment F).
- Prepare labels for outlets to be sampled.
- Prepare for Walk-Through including acquisition of School Floor Plan.
- Attend school Walk-Through.
- Ensure proper completion of Walk-Through documentation including identification of outlets on Floor Plan, and Sampling Location Inventory with coding according to the Sampling Plan (Attachment C).
- Supervision of field activities such as Walk- Through, flushing (if required), locking school prior to sampling, and sample collection.
- Identify low use water outlets requiring flushing and attach flush tag (Attachment G).
- Ensure that Field Sampling Team has all relevant sampling supplies including sampling bottles, labels, proper reagent water and chain of custody forms prior to collection of samples.
- Ensure that all water outlets to be sampled prior to sampling event are labeled.
- Ensure that all low use outlets identified for sampling had been flushed.
- Remove flush tags from outlet once sampling is completed.
- Responsible for ensuring water remains motionless for a minimum of eight hours (last to leave the school) prior to sampling event by following procedures in Section 8.
- Verify that the Sampling Plan was followed prior to initiating sampling by completing the Pre-Sampling Water Use Certification (Attachment F).
- Provide supervision of sampling event.
- Document issues during sampling event in field log book.

- Prepare Field Walk-Through Report, School Field Sampling Summary Report and Final Project Report for assigned school(s).
- Maintain field log books for each school.
- Prepare samples for shipment and delivery to laboratory per certified laboratory instructions.
- Ensure that samples are delivered to laboratory within the time period specified by the certified laboratory

3.3 Individual School Protocols

A separate logbook and supporting documentation shall be kept for each school. The contents of the logbook are to include the Attachments A through F found at the end of this plan. A field logbook should include but not be limited to: a material evaluation, filter log, drinking water outlet inventory, flushing log, and label identification codes.

4. SCHOOL SAMPLING PRIORITY

The District developed a list of all school facilities scheduled for sampling. See Attachment A for the school sampling listing. Please note that the list may be updated based on conditions at the school, which prevent sampling from occurring or scheduling issues. Accordingly, the list should include a revision date.

Districts may need to prioritize the sampling schedule. For those cases, development of criteria is required and the criteria needs to be included in the Sampling Plan.

5. PLUMBING SURVEY

Prior to a sampling event, documentation of various aspects of each school's water system needs to be completed. This following information needs to be compiled and the attachments completed including:

5.1 Plumbing Profile

The purpose of a Plumbing Profile (Attachment B) is to identify and categorize plumbing and infrastructure in order to prioritize schools/outlets for testing, and to identify potential sources of lead (i.e. lead service lines, or lead piping or solder). The results of the Plumbing Profile determine the sampling locations and priority within the individual school facilities.

A Plumbing Profile should include all of the following:

- Year school built and dates of any additions
- Building blue prints and floor diagrams
- Service line material;
- Material of internal plumbing, this is an important part of a plumbing profile, and whether it meets the current New Jersey "lead-free" plumbing code;
- Point-of-entry or point-of-use treatment being used;
- All drinking water outlets including fountains that are permanently out of service;
- All drinking water outlets including fountains that are temporarily out of service;

- All drinking water outlets including drinking water fountains that are leaking or evidence of staining and in need of repair;
- Type (make and model) and location of all drinking water fountains, including detailed description that identifies whether they are lead-lined or if they have been involved in any recalls, (See USEPA Fact Sheet at <http://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=30005UPU.txt>);
- Locations of all drinking water outlets including fountains;
- All plumbing repairs and replacements needed for internal plumbing;
- All plumbing repairs and replacements conducted within the past year;
- Locations of any electrical wires grounded to water pipes

5.2 Filter Inventory (If Applicable)

A Filter Inventory (Attachment D) shall be prepared, including the following information:

- Location (school and outlet);
- Make and model;
- Installation date (last replaced);
- Replacement frequency;
- Documentation of repairs; and
- Contaminants the filter is capable of and/or NSF-certified for the removing e.g. lead and others

6. PLANNING

6.1 Walk –Through

A Walk-Through must be conducted by the Project Officer prior to sampling as part of the planning process. The Walk-Through must include every room (including but not limited to classrooms, offices, bathrooms, kitchens and recreational areas) in the facility. During the Walk-Through, all drinking water and food preparation outlets to be sampled will be labelled by the Project Officer on the Floor Diagram (6.2).

The Project Officer will also conduct an onsite assessment of each sample outlet to document (using Attachment C) specific characteristics of the outlet (e.g. leaking outlets; staining). During this assessment, the water should be turned on to determine the spray pattern, whether there is adequate flow to collect samples or if any odor or color differences are present and whether the cold water faucet is functioning properly. Only cold water faucets are to be sampled. For motion sensor and metered sinks, the hot water valve will be shut off on the day of sampling. All outlets in need of repair must be repaired prior to sampling or documented on the temporary out of service list in the Plumbing Profile (Attachment B).

6.2 Floor Diagram

Each drinking water outlet shall be identified on the school schematic (floor diagram). The floor diagram should have the classroom numbers and the following locations labeled:

- Service Line = SL

- Point of Entry¹
- Food preparation outlets (i.e. cafeteria, kitchen and home economics class faucets);
- Drinking Water Fountains; and
- Other drinking water outlets to be sampled (i.e. nurse's office, teacher's lounge, home economics, etc.), and any other room or outside facility used for water consumption.

The Project Officer must date and sign the floor diagram.

7. SAMPLE LOCATIONS

7.1 Sample Locations

The following locations shall be identified and labeled for each school:

- Kitchen outlets
- Food Preparation outlets
- Teacher Lounge outlets
- Nurse's Office outlets
- Home Economic Sink outlets
- Drinking Water Fountains – Bubblers and Water Coolers
- Outside drinking water fountains and food preparation areas
- Ice Machines
- Other drinking water outlets used for consumption

Examples of outlets that do not need to be sampled include utility sinks, outside spigots, bathroom sinks and classroom sinks, unless any of these sinks are used routinely for consumption.

7.2 Sample Location Codes

Each sampling location shall be identified by its location and type using the following coding system (Note additional codes as needed):

KC = Kitchen Outlet, Cold
 CT= Cafeteria Outlet
 FP= Food Preparation Sink
 TL= Teacher Lounge Sink
 NS = Nurse's Office Sink
 EC = Home Economics Outlet, Cold
 DW= Drinking Water Bubbler
 WC = Water Cooler (Chiller Unit)
 IM = Ice Machine

¹Point of entry is the closest water outlet to the entrance of the service line into the school.

7.3 Sampling Location Inventory

Attachment C shall be used to develop a detailed inventory of each drinking water outlet in the school to be sampled. The inventory must be completed and signed by the Project Officer.

The Drinking Water Outlet Inventory shall include the following information:

- All drinking water outlets in the school
- The type, location, and sample location code of each drinking water outlet
- If the drinking water outlet has a chiller unit
- If the drinking water outlet has an aerator/screen
- If the drinking water outlet is motion activated, in which the hot water at the outlet must be turned off prior to sampling
- If the drinking water outlet is operational
- If the drinking water outlet has not been used frequently
- If the drinking water outlet is leaking
- If the drinking water outlet has a filter
- The make and model of all drinking water fountains and water coolers

8. SAMPLING PROCEDURES

8.1 Timeline

Samples should be collected before the facility opens in the morning and before any water is used in the building. The water shall sit in the pipes unused for at least 8 hours, but no more than 48 hours, before a sample is collected.

At no time should filters, aerators and screens be removed prior to or during the sampling event.

Prior to Sampling

- For buildings that have not been used for more than 48 hours, the District will perform systematic flushing 48 hours prior to the sampling event, as described in the USEPA's "3Ts For Reducing Lead in Drinking Water in Schools" (revised October 2006, see page 56). This flushing event and locations shall be documented in a log (Attachment E).
 - The flushing log must be completed and signed by the Project Officer.
- The Project Officer will contact the laboratory to confirm sample bottles, weatherproof labels, chain of custody forms and coolers are available and ready for the sampling event.
- Every drinking water outlet to be sampled (previously identified in Attachment C) will be labeled with a specific Sample Location Code in indelible marker on the underside of the sampling fixture in the event the District has to re-visit the sample location.
- A communication will be sent out to all staff in schools being sampled explaining what time all staff must exit the building.
- After this time, signs shall be posted to indicate that water should not be used and access to the building shall be restricted to ensure that water sits undisturbed for a minimum of 8 hours.
- Turn off all irrigation and outdoor water features.

Day of Sampling

The Project Officer will use Attachment F to document when the water was last used and when sampling began.

8.2 Sample Collection

Sample Collection Highlights

- All samples shall be collected in a pre-cleaned HDPE 250mL wide mouth single use rigid sample container.
- Identify on the Sampling Plan the outlet closest to the water service line(s) entry point to be collected first, then identify the next closest outlet as second, and move away from the water service line(s) entry point until the outlet farthest away is identified to be sampled last on the sampling plan. This will minimize the chance that a sampling location will be flushed by an upstream fixture. Sampling will begin at the outlet closest to the point of entry and continue to the furthest outlet to ensure the water remains motionless in the plumbing.

Sample Collection Method

USEPA recommends a two-step sampling process be followed for identifying lead contamination. Lead in a water sample taken from an outlet can originate from the outlet fixture (the faucet, bubbler etc.), plumbing upstream of the outlet fixture (pipe, joints, valves, fittings etc.), or it can already be in the water that is entering the facility. The two-step sampling process helps to identify the actual source(s) of lead.

In Step 1, initial samples are collected to identify the location of outlets providing water with elevated lead levels and to learn the level of the lead in the water entering the facility (i.e., at the service connection). In Step 2, follow-up flush samples are taken only from outlets identified as problem locations to determine the lead level of water that has been stagnant in upstream plumbing, but not in the outlet fixture. Sample results are then compared to determine the sources of lead contamination and to determine appropriate corrective measures.

Schools may wish to collect both initial and follow-up samples at the same time. This is more convenient and may save time and money; however, using this approach creates a trade-off between convenience and confidence. The confidence in the sample results will decrease since flushing water through an outlet immediately after taking the initial sample could compromise the flushed locations depending on the interior plumbing of buildings. Protocols for both options are provided below. School districts can decide which option works best for their situation.

All sampling must be conducted in accordance with this Sampling Plan and the District's QAPP.

Choose the Sample Collection Method Protocol the District will follow

Option 1- Sample Collection for First Draw and Follow-up Flush Sampling Conducted on Different Days

1. For each drinking water outlet sampled, a new pair of non-colored latex or nitrile gloves shall be used. This is to minimize the potential for cross contamination of sample outlets by sampling personnel.
2. First draw samples (i.e. samples collected from outlets where water sat undisturbed for a minimum of 8 hours) will be collected from a cold water outlet at each location identified in 7.3 above. The sample must be collected by placing the bottle under the drinking water outlet before turning the cold water outlet on. No water should be allowed to run prior to collecting a sample. For motion-activated faucets, the hot water valve must be turned off prior to sampling.
3. Each sample collected will be properly identified on the sample bottle and chain of custody using the Sample Location Code previously identified by the District (as identified on the label on the outlet and on the floor diagram).
4. Upon receiving the testing results, the District will conduct a second sample event collecting a follow-up flush sample at any drinking water outlet with an initial result of greater than 15 µg/L (as defined as greater than or equal to 15.5 µg/L).
5. The following planning will take place prior to the follow-up sampling event:
 - a. The drinking water outlets requiring a flushed sample shall be listed on a Follow-Up Sampling form (See Attachment H.vii for example), labelled with an indelible marker, and identified on the floor diagram.
 - b. Procedure for ensuring the water remains stagnant for a minimum of 8 hours shall be followed.
6. The drinking water outlet will be turned on and allowed to run for 30 seconds then the water will be captured in a pre-cleaned 250 mL container. Note: If the drinking water outlet is a water cooler with a cooler unit then allow the water to run for 15 minutes prior to collecting a flushed sample in a pre-cleaned 250 mL container.
1. Each sample collected will be properly identified on the sample bottle and chain of custody using the Sample Location Code previously identified by the District (as identified on the label on the outlet and on the floor diagram). Additionally, the follow-Up flush samples will be identified by noting "FLUSH" after the Sample Location Code on the sample bottle and on the chain of custody (e.g. MM-2F-DW-01 and MM-2F-DW-01 FLUSH).

Option 2- Sample Collection For First Draw and Follow-up Flush Sampling Conducted on Same Day

2. For each drinking water outlet sampled, a new pair of non-colored latex or nitrile gloves shall be used to collect both the first draw and flush follow-up samples. This is to minimize the potential for cross contamination of outlets by sampling personnel.

3. First draw samples (i.e. samples collected from outlets where water sat undisturbed for a minimum of 8 hours) will be collected from a cold water outlet at each location identified in 7.3 above. The sample must be collected by placing the bottle under the outlet before turning the cold water on. No water should be allowed to run prior to collecting a sample. For motion-activated faucets, the hot water valve must be turned off prior to sampling.
4. Immediately after the first draw sample is collected, the sampler will collect a follow-up flush sample.
5. When collecting the follow-up flush sample, the outlet will be turned on and allowed to run for 30 seconds then the water will be captured in a pre-cleaned 250 mL container.
6. If the drinking water outlet is a water cooler with a cooler unit, **DO NOT COLLECT A FOLLOW-UP FLUSH SAMPLE UNTIL ALL FIRST DRAW SAMPLES ARE COLLECTED IN THE SCHOOL.**
7. After all sampling is completed, return to the water coolers to collect a follow-up flush sample, again starting at the water cooler located in closest proximity to the POE and then move outward. Allow the water to run for 15 minutes, then sample the drinking water outlet utilizing a pre-cleaned 250 mL container.
8. Each sample collected shall be properly identified on the sample bottle and chain of custody using the Sample Location Code previously identified by the District (as identified on the label on the outlet and on the floor diagram). In addition, follow-up flush samples shall be identified by noting "FLUSH" after the Sample Location Code on the sample bottle and on the chain of custody (e.g. MM-2F-DW-01 and MM-2F-DW-01 FLUSH).

Additional Sampling Event

Upon receiving the results of the initial and follow-up flush samples at all outlets, the District will conduct additional sampling events for the following situations: any location required to be sampled previously but was not sampled (not operational during initial sampling event), where there was a possible lab error or sample collection error, and any location that was not sampled but could help pinpoint the source of lead in a sampled outlet.

8.3 New Jersey Certified Laboratories

Laboratory Responsibilities

Certify to the District that they have received, and will follow, the Sampling Plan and QAPP.

- Each laboratory must document that laboratory personnel have previous experience sampling for lead and have been properly trained to conduct USEPA Method 200.8 or other methods that are approved sampling methods. Approved sampling methods are USEPA methods for the analysis of lead in drinking water (USEPA Method 200.9, USEPA Method 200.5, SM3113B, ASTM3559-D) provided that the reporting limit used by the laboratory for that method is less than or equal to 2 µg/L.

- The laboratory will conduct analysis of a laboratory fortified blank (Field Blank) to assess the accuracy. The acceptance criteria for accuracy for the results will be within plus or minus 15% recovery of the known value.
- Laboratories must provide the results to the District within timeframe required under contract (14 day is average).
- Laboratories will report in µg/L (ppb) and to at least three significant figures.

Sampling Personnel Responsibilities

Each sampler will be responsible for the following:

- Preparation of pre-printed waterproof labels, which will include, the sampler's name, the school name, the Sample Location Code, parameter to be analyzed (lead), date of collection and any preservation technique used;
- Preparation of a chain of custody to include the field sample information;
- Obtaining from the laboratory, prior to the sampling event, ASTM Type I reagent-grade water (RGW) to be used as Field Reagent Blanks (FRB). The sampler will transport this RGW to the school to be sampled. Before the first sample is collected the RGW collected at the Laboratory will be transferred to a sample container near the first sample location inside the school building. This FRB sample will be stored and transported in the same cooler, handled and preserved in the same manner as samples collected at that school.
- Documentation of any and all observations such as automatic sensors, odors, change in water color, low water flow, water outlet leaks (i.e. 1 second drip), irregular water spray, attached filter(s), if the screen/aerator is on/off the water outlet or if the water becomes warm/hot.
- Minimizing the potential for cross contamination of sample outlets by sampling personnel. The water will be collected from the outlet directly into each container.
- Following all of the sampling procedures outlined in the Sampling Plan and QAPP.

8.4 Sampling Results

The laboratories will provide the lead sample results to the District in electronic format within the timeframe required under the contract. A spreadsheet of all results, the analytical results report, and the chain of custody forms must be included.

Within 24 hours after the District has reviewed and verified the final laboratory results, the District will make the results publicly available and if any results exceed the action level provide

written notification to the parents/guardians of all students as well as to the Department of Education.

8.5 Intermediate Remedial Measures

Upon receiving sample results, the District will turn off all outlets with results that exceed 15 $\mu\text{g/L}$ (as defined as greater than or equal to 15.5 $\mu\text{g/L}$). If these locations must remain on for non-drinking purposes, a “DO NOT DRINK – SAFE FOR HANDWASHING ONLY” sign will be posted (Attachment H.v).

Glossary

Drinking Water Outlet- an outlet that can be used for the consumption of water, such as, water fountains, water coolers, bubblers, kitchen sinks and food preparation sinks; however, classroom, bathroom, and outlets used for washing dishes are not drinking water outlets.

Action Level (AL)- The lead level established by the USEPA at 40 CFR 141.80 for lead in drinking water.

Bottled Water- includes sealed purchased water from an external company (individual bottles or dispensers). Drinking water dispensers that utilize purchased water are not required to be sampled.

First Draw Sample – a sample that is collected from outlets where water sat undisturbed for a minimum of 8 hours.

Follow-up Flush Sample - sample that is collected from outlets after they have been manually flushed.

Low-Use Outlets- outlets that are not used routinely and may sit for periods of time with minimal or no use. Examples include those outlets in a wing of a school that is temporarily closed off and are not being used, or fountains and food preparation outlets that are only used during sporting or other events.

Out of Service Outlets- drinking water outlets as identified on Attachment C that are not operational.

- a. **Permanently Out of Service Outlets-** outlets that are not being used and the District plans to decommission.
- b. **Temporarily Out of Service Outlets-** outlets that require repair or replacement and will be put back in service once they are repaired. For example, an outlet with a broken handle.

Point of entry (POE)- The point at which the service line enters the building. For the purposes of sample collection, the POE sample location is the closest water outlet to the entrance of the service line into the school.

Quality Assurance Project Plan (QAPP) Template- describes the planning, implementation, and evaluation steps that will be consistently applied by those involved

in a School District's Sampling Plan. The QAPP will provide a high level of confidence in the results of this sampling and aid in meeting the overall goal of ensuring any appropriate remediation measures are quickly identified and implemented.

Sampler- personnel responsible for collecting the drinking water outlet samples for a school. The individual is required to review and understand their roles and responsibilities under the District's Quality Assurance Program Plan and be able to collect samples in accordance with the District's Sampling Plan.

Service Line- the pipe that carries water to the school from the public water system's main in the street.

School Wide Systematic Flush- system flushing is required if the school has been dormant for greater than 48 hours (holiday or seasonal break). A Flushing Log (Attachment E) needs to be completed for each school flushed.

Water Cooler- any mechanical device affixed to drinking water supply plumbing that actively cools water for human consumption. The reservoir can consist of a small tank or a pipe coil.

Attachment A - List of Pleasantville Schools Priority for Sampling

[illegible]

Attachment B – Plumbing Profile

SEE ORIGINAL PLAN FOR DETAILS

Attachment C – Drinking Water Outlet Inventory

Name of School: WASHINGTON AVENUE SCHOOL, Address: 225 W. WASHINGTON AVE., PLEASANTVILLE, NJ 08232

Grade Levels: Pre-K to 5th Year School Constructed: _____ Renovated/Additions: _____

Individual school project officer Name/Signature: _____ Date Completed: 10/11/24

#	Type	Location	Code	Operational (Y/N)	Signs of Corrosion ⁱⁱ (Y/N)	Filter ⁱ (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
2	Water Fountain	Main Office-WF	225-2	Y	N	N	Y	N	N	Y	Elkay		
3	Sink	Main Office Conference Room-S	225-3	Y	N	N	Y	Y	N	N			
4	Sink	Room 103-S	225-4	Y	N	N	Y	Y	N	N			
5	Sink	Room 104-S	225-5	Y	N	N	Y	Y	N	N			
5A	Sink	Room 105-S	225-5A	Y	N	N	Y	Y	N	N			
5B	Sink	Room 106A-S	225-5B	Y	N	N	Y	Y	N	N			
5C	Sink	Room 107B-S	225-5C	Y	N	N	Y	Y	N	N			
5D	Sink	Room 108D-S	225-5D	Y	N	N	Y	Y	N	N			
6	Sink	Faculty Room-S	225-6	Y	N	N	Y	Y	N	N			
9	Water Fountain	Gym-WF	225-9	DISCONNECTED									
10	Bottle Filler	Across from 105-BF	225-10	Y	N	N	Y	N	Y	Y	Elkay	M: EBFA8-1A S: 960840372	
11	Bottle Filler	Near 128 between B & G Room – BF Left	225-11	Y	N	N	Y	N	Y	Y	Elkay	M: LZQSR_ID S: 410665125	
11A	Bottle Filler	Near 128 between B & G	225-11A	Y	N	N	Y	N	Y	Y	Elkay	M: EBFA8-1A S: 960840372	
				Y	N	N	Y	N	Y	Y	Elkay	M: LZQSR_ID S: 410665062	

WASHINGTON AVENUE SCHOOL Sampling Plan

10/30/24

Version 1

#	Type	Location	Code	Operational (Y/N)	Signs of Corrosion ⁱⁱ (Y/N)	Filter ⁱ (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
		Room – BF Right											
12	Sink	Kitchen Prep Sink 1-S	225-12	Y	N	N	Y	Y	N	N			
13	Sink	Kitchen Sink-S	225-13	Y	Y	N	Y	N	N	N			2 WELL LEFT
13A	Sink	Kitchen Sink Right – S	225-13A	Y	Y	N	Y	N	N	N			2 WELL RIGHT
13B	Pot Filler	Kitchen Pot Filler	225-13B	Y	N	N	Y	N	N	N			
13C	Steamer	Kitchen Steamer	225-13C	Y	M	Y	Y	N	N	N	TRU- H2O	Cartridge # 1400713	
15	Bottle Filler	2 nd Floor between B & G Room-BF	225--15	Y	N	N	Y	N	Y	Y			

Attachment D - Filter Inventory

(Complete for each school as applicable)

Name of School: Washington Avenue School Grade Levels: K-5Address: 225 W. Washington Avenue, Pleasantville, NJ 08232Individual School Project Officer Signature: V. [Signature] Date: 10/30/24

Sample Location / Code	Brand	Type (Make & Model)	Date Installed or Replaced	Replacement Frequency	NSF Certified for Lead Reduction Y/N
N/A					

Attachment E – Flushing Log
(Complete for each school as applicable)

Name of School: Washington Avenue School

Address: 225 W. Washington Avenue, Pleasantville, NJ 08232



Grade Levels: K-5

Individual School Project Officer Signature: V. Roll Date: 10/30/24

Sample Location Description	Sample Location Code	Date	Time	Duration of Flushing	Reason for Flushing
--------------------------------	----------------------------	------	------	-------------------------	------------------------

N/A

Attachment F - Pre – Sampling Water Use Certification
(Complete for each school)

TO BE COMPLETED BY THE PLEASANTVILLE SCHOOL DISTRICT REPRESENTATIVE:		
School Name:	<u>Washington Avenue School</u>	
Sample collection address:	225 W. Washington Avenue, Pleasantville, NJ 08232	
Water was last used:	Time: 8:00 pm	Date: 10/13/24
Sample commencement:	Time: 4:00 pm	Date: 10/14/24
I have read the PLEASANTVILLE SCHOOL DISTRICT Lead Drinking Water Testing Sampling Plan and Quality Assurance Project Plan and I am certifying that samples were collected in accordance with these plans.		
		
Signature	Date	

Attachment G - Example of a Sample Flush Tag

FLUSH TAG

Water outlet sampling in progress. Please do not use water

School District Name: PLEASANTVILLE SCHOOL DISTRICT Date Flushed: N/A
School Name: WASHINGTON AVENUE SCHOOL Flushing Process

School Address: 225 W. Washington Avenue
Pleasantville, NJ 08232

Start Time: 4:00PM

Location of flushed outlet: N/A

End Time: 6:00PM

Is the fountain front cover removed for the sampler to determine the reservoir type (circle one):
YES / **NO**

Person responsible for the flushing process (print name): N/A

Signature: 

* Water within the school distribution system should sit in the pipes unused for at least eight (8) hours after flushing but not more than 48 hours before a sample is taken.*

Note to the person responsible for the flushing process:

- A. Turn-off lawn sprinkler outlet(s) until water sampling is complete.
- B. Make sure sampling outlets are accessible.

Attachment H – Sampling Toolkit

H.i: Recalled Water Cooler List

USEPA's Water Cooler Recall List*Tables from EPA's 3Ts for Reducing Lead in Drinking Water in Schools Revised Technical Guidance*Table E-1Halsey Taylor Water Coolers With Lead-Lined Tanks²

The following six model numbers have one or more units in the model series with lead-lined tanks:

WM8A WT8A GC10ACR GC10A GC5A RWM13A

The following models and serial numbers contain lead-lined tanks:

<u>WM14A Serial No.</u> <u>843034</u>	<u>WM14A Serial No.</u> <u>843006</u>	<u>WT11A Serial No. 222650</u>
<u>WT21A Serial No.</u> <u>64309550</u>	<u>WT21A Serial No.</u> <u>64309542</u>	<u>LL14A Serial No. 64346908</u>

²Based upon an analysis of 22 water coolers at a US Navy facility and subsequent data obtained by EPA, EPA believes the most serious cooler contamination problems are associated with water coolers that have lead-lined tanks.

Table E-2
Water Coolers With Other Lead Components

EBCO Manufacturing

All pressure bubbler water coolers with shipping dates from 1962 through 1977 have a bubbler valve containing lead. The units contain a single, 50-50 tin-lead solder joint on the bubbler valve. Model numbers for coolers in this category are not available.

The following models of pressure bubbler coolers produced from 1978 through 1981 contain one 50-50 tin-lead solder joint each.

<u>CP3</u>	<u>DP15W</u>	<u>DPM8</u>	<u>7P</u>	<u>13P</u>	<u>DPM8H</u>	<u>DP15M</u>	<u>DP3R</u>	<u>DP8A</u>
<u>DP16M</u>	<u>DP5S</u>	<u>C10E</u>	<u>PX-10</u>	<u>DP7S</u>	<u>DP13SM</u>	<u>DP7M</u>	<u>DP7MH</u>	<u>DP7WMD</u>
<u>WTC10</u>	<u>DP13M-60</u>	<u>DP14M</u>	<u>CP10-50</u>	<u>CP5</u>	<u>CP5M</u>	<u>DP15MW</u>	<u>DP3R</u>	<u>DP14S</u>
<u>DP20-50</u>	<u>DP7SM</u>	<u>DP10X</u>	<u>DP13A</u>	<u>DP13A-50</u>	<u>EP10F</u>	<u>DP5M</u>	<u>DP10F</u>	<u>CP3H</u>
<u>CP3-50</u>	<u>DP13M</u>	<u>DP3RH</u>	<u>DP5F</u>	<u>CP3M</u>	<u>EP5F</u>	<u>13PL</u>	<u>DP8AH</u>	<u>DP13S</u>
<u>CP10</u>	<u>DP20</u>	<u>DP12N</u>	<u>DP7WM</u>	<u>DP14A-50/60</u>				

Halsey Taylor

1. Lead solder was used in these models of water coolers manufactured between 1978 and the last week of 1987:

<u>WMA-1</u>	<u>SCWT/SCWT-A</u>	<u>SWA-1</u>	<u>DC/DHC-1</u>
<u>S3/5/10D</u>	<u>BFC-4F/7F/4FS/7FS</u>	<u>S300/500/100D</u>	

2. The following coolers manufactured for Haws Drinking Faucet Company (Haws) by Halsey Taylor from November 1984 through December 18, 1987, are not lead-free because they contain 2 tin-lead solder joints. The model designations for these units are as follows:

<u>HC8WT</u>	<u>HC14F</u>	<u>HC6W</u>	<u>HWC7D</u>	<u>HC8WTH</u>	<u>HC14F</u> <u>H</u>	<u>HC8W</u>	<u>HC2F</u>	<u>HC14WT</u>
<u>HC14FL</u>	<u>HC14W</u>	<u>HC2FH</u>	<u>HC14WTH</u>	<u>HC8FL</u>	<u>HC4F</u>	<u>HC5F</u>	<u>HC14WL</u>	<u>HCBF7D</u>
<u>HC4FH</u>	<u>HC10F</u>	<u>HC16WT</u>	<u>HCBF7HO</u>	<u>HC8E</u>	<u>HC8FH</u>	<u>HC4W</u>	<u>HWC7</u>	

H.ii: Ice Machines Sample Collection Procedure

Sample Collection Procedures:

- Initial Screening Sample 1E

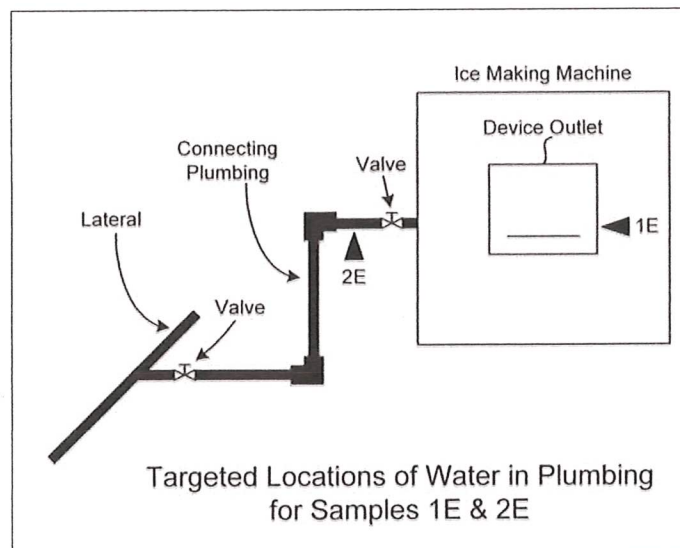
Fill a suitable container (250 mL or larger, wide-mouthed bottle or other container) provided by the laboratory at least three-quarters full of ice. Do not touch the ice with your hands. Use the non-metal scoop or disposable plastic gloves provided by the laboratory to place the ice in the container.

If the lead level in Sample 1E exceeds 15 $\mu\text{g/L}$ (ppb), collect a follow-up sample to determine if the source of the lead is the plumbing or the ice machine itself.

- Follow-Up Sample 2E

Disconnect the ice machine from the plumbing and look for a screen at the inlet. Remove the screen. If debris is present, forward a sample of the debris to the laboratory for analysis and clean out the remaining debris. The laboratory will determine whether lead solder is present. Clean the screen routinely to avoid accumulations of debris.

Collect the sample from the disconnected plumbing as close to the ice machine as possible. Fill the sample container with 250 mL of water. If no outlet is available, contact the ice machine manufacturer for recommendations that will minimize disruption of existing plumbing. Adding outlets or valves could add new sources of lead to the plumbing, even if the new devices are lead-free and meet NSF Standard 61, section 8. If a sample outlet or valve is available, collect the sample immediately after opening the outlet or valve.



H.iii: School Wide Flushing Procedure

Each drinking water outlet should be flushed individually; flushing a toilet will not flush your water fountains. All flushing should be recorded in the Flushing Log (Attachment E) for each school and completed prior to sampling.

- Locate the faucet furthest away from the service line on each wing and floor of the building, open the faucets wide, and let the water run for 10 minutes. This 10-minute time frame is considered adequate for most buildings.
- Open valves at all drinking water fountains without refrigeration units and let the water run for roughly 30 seconds to one minute, or until cold.
- Let the water run on all refrigerated water fountains for 15 minutes.
- Open all kitchen faucets (and other faucets where water will be used for drinking and/or food preparation) and let the water run for 30 seconds to one minute, or until cold.

H.iv: Sampling Event Checklist
Complete on the day of sampling

Before Beginning Sampling:



- Review and Sign QAPP.
- Review School packet prior to sampling- including floor plan with sample locations, outlet inventory including all outlets to be sampled, filter inventory including which water coolers & drinking water fountains have filters, and if applicable pre-sampling event flushing schedule [includes which outlets were flushed, the duration of flushing, and when they were flushed].
- Perform a walk-through of the facility prior to sampling. Identify all outlets to be sampled, and label each outlet with its unique sample location code as it is found in the water outlet inventory.
- Verify that the water has been stagnant for at least 8 hours, but no longer than 48 hours.

Sampling:

- Field Blank.
- Start sampling at the outlet closest to the point of entry.
- For each sampling location record the time that sampling begins.
- Wearing gloves, collect samples into a 250 ml pre-cleaned bottle.
- Record the time all samples are collected.
- AFTER all other samples have been collected, for follow-up flush sampling, collect fifteen minute flushed samples from water coolers.
- Indicate on the Chain of Custody (COC) if the outlet is leaking, the water is discolored, the outlet is turned on, the outlet is not working, or the outlet has a filter.
- Label all Follow-Up Flush Samples with "FLUSH" after their unique sample location code. (e.g. WHS- and WHS - ---FLUSH).

After Sampling:

- Record the time that sampling ends.
- Count sampling bottles to make sure all water outlets on the inventory were sampled.

Project Officer:	Mr. Vance Brock		10/30/24
	Print Name	Signature	Date
Sampler:	Marylee Morinelli		10/30/24
	Print Name	Signature	Date

H.v: Sample Signs



**WATER TESTING IN
PROGRESS
PLEASE DO NOT USE ANY
WATER SOURCES – SINKS,
FOUNTAINS, TOILETS, ETC.**

DO NOT DRINK



SAFE FOR HANDWASHING



H.vi: School Sampling Package Review Checklist

Review performed by: Marylee Morinelli/Coastal Environmental Date: 10/30/24
Name/Title

Name of NJ Certified Laboratory who performed the analytical testing and certification number:

Name: EMSL Analytical, Inc. Certification Number: 03036

1. QAPP signed by all parties involved in sampling (Program Manager, Project Manager, Individual School Project Officers, Laboratory Manager, Laboratory QA Officer):
Y or N
If N, obtain.
2. Completed Plumbing Profile (Attachment B):
Y or N
If N, provide details on what is missing.
If Y, should include:
 - i. Material of Service line: Y or N
 - a. Is the school served by a lead service line? Y, N, or Unknown
 - i. Must provide documentation for either Y or N answer. If Unknown need to provide a plan for getting this information.
 - ii. Material of potable water pipes: Y, N, or Unknown
 - a. Was lead solder used in the plumbing system? Y, N, or Unknown
If Unknown, need to provide a plan for getting this information.
 - b. Are brass fittings, faucets, or valves used in the drinking water system?
Y or N
 - iii. Make and Model of Drinking Water Fountains/ Water Coolers: Y or N
 - a. Checked all the drinking water fountains and coolers against the EPA list of recalled fountains: Y or N
 - i. If Y, any fountains that were on the list were taken out of service and the information was recorded in the school file.
 - iv. 'Low use' areas in the drinking water system: Y or N
 - a. If Y, identify where. Verify that these areas were flushed properly.
 - v. Out-of-Service Outlets : Y or N
 - a. If Y, identify where. Verify that these areas are still out of service.
 - vi. Plumbing repairs and replacements performed within the last year: Y or N
 - a. If Y, identify where.
3. Is Water Outlet Inventory (Attachment C) for the school completed with all information filled in? Y or N
If N, provide details on what is missing.

4. Completed Filter Inventory (Attachment D): Y or N
If N, provide details on what is missing.
5. Completed Flushing Log (Attachment E): Y, N or NA
Only applicable for facilities or specific locations in a facility that are not routinely used
e.g. concession stands.
If Y, does it include duration and location of flushes? Y or N
If N, provide details.
6. Completed data packages for each sampling event including Chain of Custody sheets,
field notes, results report and Excel spreadsheet: Y or N
If N, provide details on what is missing.

Data Package Review

1. Is the data package complete: Y or N
 - a. If N, provide details on what is missing and contact lab if necessary.
2. Does the number of samples on the results report from the laboratory match the number of samples on the Chain of Custody? Y or N
 - a. If N, identify which sample(s) are missing. Add these sampling locations to the Follow-Up Sampling list.
3. Is there a field blank? Y or N
4. Are results reported in $\mu\text{g/l}$? Y or N
 - a. If N, remind lab to report in $\mu\text{g/l}$.
5. Any results not reported to at least 3 significant figures? Y or N
 - a. If Y, contact lab.
6. Any results above 100 $\mu\text{g/l}$? Y or N
 - a. If Y, have lab verify the results.
7. Compared field notes/ Chain of Custody notes with sampling results? Y or N
 - a. If Y, are there any notes and sampling results that appear to need re-sampling?
Add those sampling locations to the Follow-Up Sampling list. (i.e. notes indicate outlet was leaking or water was discolored)
8. Are there outlets that could not be sampled because they were not operational? Y or N
 - a. If Y, outlets will be need to be sampled as part of follow-up sampling. Add these outlets on the Follow-Up Sampling list.

9. Are there sample codes not identified on the Key Code? Y or N
 - a. If Y, contact sampler and individual school coordinator to identify.
10. Verify that water outlets requiring flushing were properly flushed: Y or N
 - a. Are there outlets that were sampled and after reviewing the field notes it is apparent they were not operational prior to sampling and/or were not flushed? Y or N
 - b. If Y, these outlets need to be resampled as part of follow-up sampling. Add these outlets on the Follow-up sampling list.
11. Compared first draw samples with follow-up flush samples (if collected): Y or N
12. Are there outlets where the follow-up flush sample is required but was not collected? Y or N
 - a. If Y, these outlets need to be sampled as part of the follow-up sampling. Add these outlets to the Follow-up Sampling list.
13. Are there any follow-up flush sample outlets higher than the first draw? Y or N
 - a. If Y, identify the internal plumbing material.
14. Match up the filters with the exact locations they are installed. Determine the following:
 - a. Exact date installed: Y, N, or Unknown
 - b. If N, return to location and identify.
 - c. If Unknown, assume the filter will need to be replaced.

H.vii: FOLLOW-UP SAMPLING INVENTORY

School Name Washington Avenue School
Individual School Project Officer: Mr. Vance Brock
Date Completed: 10/30/24

[illegible]

H.viii: FOUNTAINS / DRINKING WATER COOLERS ON EPA'S RECALL LIST

School Name WASHINGTON AVENUE SCHOOL

Individual School Project Officer: Mr. Vance Brock

Date Completed: 10/30/24

SAMPLE ID/ LOCATION	MAKE	MODEL	TAKEN OUT OF SERVICE (DATE)	INITIALS
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N/A

If N/A, provide signature below indicating that the school does not have any drinking water fountains/water coolers on the EPA Recall list.

V. Brock Date 10/30/24

H.ix: OUTLETS WITH FILTERS INSTALLED - RESULTS

School Name Washington Avenue School
Individual School Project Officer: Mr. Vance Brock
Date Completed: 10/30/24

SAMPLE ID/ LOCATION	Make	FILTER Model	Results (µg/l) Pre-Filter	Results (µg/l) Post-filter
------------------------	------	-----------------	------------------------------	-------------------------------

N/A

H.x_1 Data Review Summary

School: WASHINGTON AVENUE SCHOOLDate Sampled: 10/30/24Individual School Project Officer: Mr. Vance Brock

- ☐ Verify number of samples.
 - Make sure there are results for each sample taken.
- Number of outlets sampled: 20
- Number of first draw: 20
- Number of follow-up flush: 0
- ☐ Confirm all results are reported with no less than three significant figures and are in units of $\mu\text{g/l}$ or ppb.
- ☐ Confirm follow-up flush samples are collected at all water outlets that require a flush sample.

Number of samples $>15.5 \mu\text{g/l}$ first draw: 0Number of samples $>15.5 \mu\text{g/l}$ follow-up flush: 0Total Number of samples $>15.5 \mu\text{g/l}$: 0For samples $>15.5 \mu\text{g/l}$

- ☐ Compare first draw samples with follow-up flush samples.

Number of outlets with decreased result between first draw and follow-up flush ($> 15.5 \mu\text{g/l}$ and now $< 15.5 \text{ ppb}$): 0Number of outlets increased between first draw and follow-up flush ($< 15.5 \mu\text{g/l}$ and now $> 15.5 \mu\text{g/l}$): 0Number of outlets that remained $> 15.5 \mu\text{g/l}$ (both results greater than $15.5 \mu\text{g/l}$): N/A

- ☐ Verify follow-up flush samples that are higher than the first draw sample.
 - Check field notes and chain of custody for notes on the collection of these samples.
 - Check with lab to verify the sample result of these samples.
- ☐ Verify results $> 100 \mu\text{g/l}$
 - Call the lab to verify the results .
 - Make sure the lab report indicates that the sample was diluted.
- ☐ Verify sample results with field notes and chain of custody.
 - Use the field notes on the Chain Custody to provide insight on what may have caused certain high results.

The following information is based on field notes and the chain of custody:

Number of outlets not sampled: _____1_____

Sample ID of outlets that do not work/broken: _____

Number of outlets leaking/dripping (not repaired): _____0_____

Sample ID of outlets leaking/dripping: _____

Number of outlets with low pressure/slow flow: _____0_____

Sample ID of outlets with low pressure/slow flow: _____

Number, description, and Sample ID of other outlet issues (i.e. color, odor, plumbing turned off, etc.):

Temporarily Disconnected: 225-9 Gym - WF

Removed: 0

- ☐ Verify the water outlets requiring pre-sampling flushing were flushed.
 - Check the low use outlet flush log located in the school package to verify that outlets were flushed properly prior to sampling.
- ☐ Verify Drinking Water Fountain & Water Cooler Filters.
 - Use the filter inventory in the school package to document whether or not drinking water fountains and water coolers have a filter.
- ☐ Verify unknown sample codes.
 - Make sure that ALL sample IDs used are included in the District's outlet coding list.
 - Identify all sample IDs that are not listed on the coding list.

Additional information:

WASHINGTON AVENUE SCHOOL

Chain of Custody

Laboratory Results

Results - Excel

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax: 856-786-5974
EMSL-CIN-01

EMSL Order ID: 012434121**LIMS Reference ID:** AC34121**EMSL Customer ID:** COAS80

Attention: Marylee Morinelli
Coastal Environmental Compliance, LLC [COAS80]
PO Box 167
Hammonton, NJ 08037-0167
(609) 685-9984
coastalenvironmental@hotmail.com

Project Name: Washington Avenue School

Customer PO:
EMSL Sales Rep: Josh Silverman
Received: 10/15/2024 17:30
Reported: 10/30/2024 13:50

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: 225-2/Main Office - WF Lims Reference ID: AC34121-01 Matrix: Drinking Water Sampled: 10/14/24 10:00:00									
Metals									
Lead	1.03		1	1.00	µg/L	10/28/24 17:09	10/29/24 19:58	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-3/Main Office Conference Room - S Lims Reference ID: AC34121-02 Matrix: Drinking Water Sampled: 10/14/24 10:06:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:04	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-3A/Nurse - S Lims Reference ID: AC34121-03 Matrix: Drinking Water Sampled: 10/14/24 10:07:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:06	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-4/Room 103 - S Lims Reference ID: AC34121-04 Matrix: Drinking Water Sampled: 10/14/24 10:08:00									
Metals									
Lead	3.05		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:08	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-5/Room 104 - S Lims Reference ID: AC34121-05 Matrix: Drinking Water Sampled: 10/14/24 10:11:00									
Metals									
Lead	14.9		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:10	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-5A/Room 105 - S Lims Reference ID: AC34121-06 Matrix: Drinking Water Sampled: 10/14/24 10:13:00									
Metals									
Lead	1.21		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:16	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-5B/Room 106A - S Lims Reference ID: AC34121-07 Matrix: Drinking Water Sampled: 10/14/24 10:17:00									
Metals									
Lead	10.6		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:18	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-5C/Room 107B - S Lims Reference ID: AC34121-08 Matrix: Drinking Water Sampled: 10/14/24 10:20:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:20	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-5D/Room 108D - S Lims Reference ID: AC34121-09 Matrix: Drinking Water Sampled: 10/14/24 10:24:00									
Metals									
Lead	4.85		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:22	PL	EPA 200.8 (DA)/EPA 200.8

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax: 856-786-5974
EMSL-CIN-01

EMSL Order ID: 012434121**LIMS Reference ID:** AC34121**EMSL Customer ID:** COAS80

Attention: Marylee Morinelli
Coastal Environmental Compliance, LLC [COAS80]
PO Box 167
Hammonton, NJ 08037-0167
(609) 685-9984
coastalenvironmental@hotmail.com

Project Name: Washington Avenue School

Customer PO:
EMSL Sales Rep: Josh Silverman
Received: 10/15/2024 17:30
Reported: 10/30/2024 13:50

Analytical Results
(Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: 225-6/Faculty Room - S Lims Reference ID: AC34121-10 Matrix: Drinking Water Sampled: 10/14/24 10:25:00									
Metals									
Lead	8.74		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:24	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-10/Across from 105-BF Lims Reference ID: AC34121-11 Matrix: Drinking Water Sampled: 10/14/24 10:28:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:26	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-11/Near 128 Between B & G Room - BF Left Lims Reference ID: AC34121-12 Matrix: Drinking Water Sampled: 10/14/24 10:30:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:32	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-11A/Near 128 Between B & G Room - BF Right Lims Reference ID: AC34121-13 Matrix: Drinking Water Sampled: 10/14/24 10:30:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:34	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-12/Kitchen Prep Sink 1 - S Lims Reference ID: AC34121-14 Matrix: Drinking Water Sampled: 10/14/24 10:35:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:40	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-13/Kitchen Sink - S Lims Reference ID: AC34121-15 Matrix: Drinking Water Sampled: 10/14/24 10:39:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:42	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-13A/Kitchen Sink Right - S Lims Reference ID: AC34121-16 Matrix: Drinking Water Sampled: 10/14/24 10:39:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:44	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-13B/Kitchen Pot Filler-PF Lims Reference ID: AC34121-17 Matrix: Drinking Water Sampled: 10/14/24 10:41:00									
Metals									
Lead	7.87		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:46	PL	EPA 200.8 (DA)/EPA 200.8
Sample: 225-13C/Kitchen Steamer-ST Lims Reference ID: AC34121-18 Matrix: Drinking Water Sampled: 10/14/24 10:45:00									
Metals									
Lead	ND		1	1.00	µg/L	10/28/24 17:09	10/29/24 20:48	PL	EPA 200.8 (DA)/EPA 200.8

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Analytical Results
(Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
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Sample: 225-13C/Kitchen Steamer-ST (Continued) Lims Reference ID: AC34121-18 Matrix: Drinking Water Sampled: 10/14/24 10:45:00

Metals (Continued)

Sample: 225-13D/Cafeteria-BF Lims Reference ID: AC34121-19 Matrix: Drinking Water Sampled: 10/14/24 10:46:00

Metals

Lead	ND	1	1.00	µg/L	10/28/24 17:09	10/29/24 20:50	PL	EPA 200.8 (DA)/EPA 200.8
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Sample: 225-15/2nd Floor Between B & G Room-BF Lims Reference ID: AC34121-20 Matrix: Drinking Water Sampled: 10/14/24 10:41:00

Metals

Lead	ND	1	1.00	µg/L	10/28/24 17:09	10/29/24 20:52	PL	EPA 200.8 (DA)/EPA 200.8
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Sample: 225-16/Blank Lims Reference ID: AC34121-21 Matrix: Drinking Water Sampled: 10/14/24 10:00:00

Metals

Lead	ND	1	1.00	µg/L	10/28/24 16:08	10/30/24 09:06	PL	EPA 200.8 (DA)/EPA 200.8
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EMSL Customer ID: COAS80

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Certified Analyses included in this Report

Analyte	Certifications
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EPA 200.8 in Drinking Water	
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Lead	NJDEP
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List of Certifications

Code	Description	Number	Expires
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2024
NYSDOH	New York State Department of Health	10872	04/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2025
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2025
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2026
California ELAP	California Water Boards	1877	06/30/2025
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
A2LA	A2LA Environmental Certificate	2845.01	07/31/2026

Please see the specific Field of Testing (FOT) on www.emsl.com for a complete listing of parameters for which EMSL is certified.

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Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.



EMSL Order Number / Lab Use Only

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: cs@emsl.com

AC34121

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

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Controlled Document COC-25 Lead R19 08/19/2024

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.