

# Public Schools of Plainfield

**New Jersey** 

Office of Facilities & Grounds Sean Sutton, Coordinator 920 Park Ave Plainfield, NJ 07063 (908) 731-4356 Fax: (908) 731-4357

June 29, 2022

Dear Plainfield Public School Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, Plainfield Public Schools tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, Plainfield Public Schools will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15  $\mu$ g/l (parts per billion [ppb]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

#### Results of our Testing

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within Plainfield Public Schools. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the <u>676</u> samples taken, all but <u>11</u> tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15  $\mu$ g/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15  $\mu$ g/l for lead, the actual lead level, and what temporary remedial action Plainfield Public Schools has taken to reduce the levels of lead at these locations.

<b>District Location</b>	Sample Location	First	Remedial Action
	<b>1</b>	Draw	
		Result in	
		μg/l (ppb)	
Barlow	2 <sup>nd</sup> Floor Drinking Water	658	Water fountain was removed and
	Fountain		replaced with water fountain with
	ID # BS-WC-2FL-208		filter
	1 <sup>st</sup> Floor Drinking Water	29.6	Water fountain was removed and
	Fountain		replaced with water fountain with
	ID# BS-WC-1FL-127R		filter
Cedarbrook	1 <sup>st</sup> Floor Sink Fountain	17.6	Sink fountain was removed and
	ID# CS-SF-1FL-106		replaced
	1 <sup>st</sup> Floor Drinking Water	119	Water fountain was removed and
	Fountain		replaced with water fountain with
	ID# CS-WC-1FL-109		filter
	1 <sup>st</sup> Floor Drinking Water	122	Water fountain was removed and
	Fountain		replaced with water fountain with
	ID# CS-WC-1FL-102		filter
	1 <sup>st</sup> Floor Drinking Water	19.2	Water fountain was removed and
	Fountain		replaced with water fountain with
	ID# CS-WC-1FL-108		filter
Clinton	1 <sup>st</sup> Floor Sink Fountain	1190	Sink fountain was removed and
	ID# CLS-SF-1FL-104		replaced
	2 <sup>nd</sup> Floor Sink Fountain	4840	Sink fountain was removed and
	ID# CLS-SF-2FL-203		replaced
PHS	1 <sup>st</sup> Floor Drinking Water	31.2	Water fountain was removed and
	Fountain		replaced with water fountain with
	ID#PHS-WC-1FL-188		filter
	1 <sup>st</sup> Floor Drinking Water	68.9	Water fountain was removed and
	Fountain		replaced with water fountain with
	ID# PHS-WC-1FL-185		filter
	1 <sup>st</sup> Floor Drinking Water	1280	Water fountain was removed and
	Fountain		replaced with water fountain with
	ID# PHS-WC-1FL-173A		filter

#### 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. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

#### 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 1986, 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.

#### **Lead in Drinking Water**

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 central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at www.plainfieldnjk12.org. For more information about water quality in our schools, contact Sean Sutton, Coordinator at the Office of Facilities & Grounds @ 908-731-4356.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site 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.

Sincerely,

Rashon K. Hasan Business Administrator

Sean Sutton, CEFM Coordinator of Facilities & Grounds

## **Quality Assurance Project Plan (QAPP) For**

# Drinking Water Sampling of Lead Concentrations in School Drinking Water Outlets

### **Plainfield Board of Education**

#### **Approvals**

School District Rep	<u>oresentatives:</u>		
Program Manager:	Sean Sutton	Sean Sutton	6/28/22
i iogiam manager.	Print Name	Signature	Date
Project Manager(s):	Juan Piñas	Quan Piñas	6/28/22
,	Print Name	Signature	Date
Individual School Proj	ect Officer(s) (See page ii)		
Third Party Sampli	ng Firm: Karl Environment	al Group	
Va	arsha Swaminathan	Santra	6/22/22
	Print Name	Signature	Date
Laboratory: Suburt	oan Testing Labs  Name of Laboratory		
Laboratory Manag	ger: <u>Antoinette Ritrovato</u> Print Name	Signature	Date
Laboratory QA Of	ficer: Meghan Ryan Print Name	Signature	Date

For additional laboratories conducting sampling and or analysis use additional sheet for sign-off.

## Individual School Project Officers (ISPO)

School	Name	Title	Signature	Date
Dewitt D. Barlow				
Elementary School	John Seay	Head Custodian	John Seay	6/28/22
Cedarbrook K-8				
Center	David Samuels	Head Custodian	David Samuels	6/28/22
Clinton Elementary School	Tony King	Head Custodian	Tony King	6/28/22
Frederic W. Cook Elementary School	Vincent Johnson	Head Custodian	Vincent Johnson	6/28/22
Emerson Community School	Hugh Chavez	Head Custodian	Hugh Chavez	
Evergreen Elementary School	Bobby Fowler	Head Custodian	Bobby Fowler	
Jefferson Elementary School	Cassius Ali	Head Custodian		6/28/22
Charles H. Stillman Elementary School	Steven Grimes	Head Custodian	Steven Grimes	6/28/22
Washington Community School	Roy Watkins	Head Custodian	Roy Watkins	
Frank J. Hubbard Middle School	Dexter Albert	Head Custodian	Dexter Albert	
Maxson Middle School	Decoda Ricketts	Head Custodian	Decoda Ricketta	6/28/22
Plainfield Academy for the Arts and Advanced Studies	Bradley Brown	Head Custodian	Bradley Brown	6/28/22
Plainfield High School	Seand'l Bateman	Head Custodian	Seand'l Bateman	6/28/22
Lincoln Elementary School	Juan Piñas	Assistant Coordinator	Juan Piñas	6/28/22
Plainfield Board of Education Office	Nicole Narvaez	Head Custodian	Nicole Narvaez	6/28/22
Annex Facility	Sean Sutton	Coordinator	Sean Sutton	6/28/22
Plainfield Family Resource Center	Juan Piñas	Assistant Coordinator	Juan Piñas	6/28/22
Plainfield Hub-Stine Athletic Facility	Juan Piñas	Assistant Coordinator	Juan Piñas Juan Piñas	6/28/22
Old Plainfield High School	Seand'l Bateman	Head Custodian	Seand'l Bateman	6/28/22
Plainfield Tech Center	Sean Sutton	Coordinator	Sean Sutton	6/28/22

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#### 1. Objective & Goals/Background

#### 1.1 Objective and Goals

A Quality Assurance Project Plan is a document that describes the planning, implementation and evaluation steps involved in the acquisition of data that will be used to arrive at a specific goal. The overall objective for this QAPP is to determine the lead concentration at drinking water outlets within the district's schools so that corrective action(s) may be implemented at any drinking water outlets sampled found to exceed the US Environmental Protection Agency (USEPA) drinking water lead action level of 15 micrograms per liter ( $\mu$ g/L). For the purposes of compliance, any concentration greater than 15  $\mu$ g/L (as defined as greater than or equal to 15.5  $\mu$ g/L) is considered to exceed the lead action level.

The lead sampling will consist of the collection of a first draw (initial) sample according to this QAPP and the *School district Lead Water Testing Sampling Plan*. (Sampling Plan) The drinking water outlets can be faucets, drinking water fountains (or bubblers) and water coolers (see Sampling Plan for details).

Follow-up sampling will also be covered by this QAPP and the Sampling Plan. An optional follow-up flushed sample may be analyzed at selected drinking water outlets after flushing for 30 seconds. (An exception to the 30 second follow-up flushed sample is for a water cooler which requires a different follow-up sampling timeframe).

The analytical results and field data will be used by the Project Manager and the district (See Section 2.2) to decide as to whether drinking water distributed from drinking water outlets such as water fountains (bubblers), faucets, food preparation areas and water coolers have concentrations of lead that exceed 15  $\mu$ g/L (as defined as greater than or equal to 15.5  $\mu$ g/L). If a first draw (initial) or follow-up flushed cold water sample is found to contain lead at a concentration greater than 15  $\mu$ g/L (as defined as greater than or equal to 15.5  $\mu$ g/L), the Project Manager will instruct the Individual School Project Officer (Project Officer) (See Section 2.3) to isolate the source of drinking water by turning off the device or providing a barrier to the consumption of the water (tape and bag) until appropriate remediation can be determined.

#### 1.2 Background

Lead is a toxic metal that can be harmful to human health when ingested. Young children are particularly sensitive to the effects of lead because their bodies are still undergoing development. Lead can get into drinking water by being present in the source water or by interaction of the water with plumbing materials containing lead (through corrosion). Common sources of lead in drinking water include solder, fluxes, pipes and pipe fittings, fixtures, and sediments. It is possible that different drinking water outlets in a given building could have dissimilar concentrations of lead.

In April 1994, USEPA prepared two guidance documents to assist municipalities in meeting the requirements of the LCCA, *Lead in Drinking Water in Schools and Non-Residential Buildings* EPA 812-B-94-002 and *Sampling for Lead in Drinking Water in Nursery Schools and Day Care Facilities*, EPA 812-B-94-003. In December 2005, as amended in October 2006, EPA issued the revised technical guidance document *3Ts for Reducing Lead in Drinking Water in Schools (EPA 816-B-05-008)* which replaced the *Lead in Drinking Water in Schools and Non-Residential Buildings* (EPA 812-B-94-002 document. The 3Ts Revised Technical Guidance document is meant to assist school officials in implementing programs and policies to reduce children's exposure to lead in drinking water in schools.

#### 2. Project/Task Organization

#### 2.1 School District Program Manager (Program Manager)

The School district 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 of the Project Manager, requesting/enlisting the assistance from other district departments if needed, approving the district's school 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. The Project Manager reports to the Program Manager.

#### 2.2 School District Project Manager (Project Manager)

The 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 School Sampling Plan and the district's QAPP. He/she serves as the liaison between the School District, State agencies, local Health Departments, laboratories, and public water systems (if applicable). He/she reports to the Program Manager.

#### The Project Manager's responsibilities include:

- · Preparing the district's Specific QAPP
- Managing 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.
- Purchasing of equipment needed for district lead sampling
- Coordination with New Jersey laboratories certified for lead in drinking water
- Coordination with Project Officers to establish sampling schedules
- Ensuring 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 Section 14 of the QAPP
  - Laboratory Data Reports (LDR)
  - Copy of Field Sampling Summary Report with copies of field logbooks, field Walk-Through reports the Lead Sampling Plan, chains of custody 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/report with details for payment
  - Receipts (originals or copies)

#### 2.3 Individual School Project Officer(s)

#### The Individual School Project Officer's responsibilities include:

- 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 for assigned school(s) See Attachment B of the Sampling Plan.
- Oversight of completion of the following reports found in the Sampling Plan which require sign—off by Project Officer:
  - Drinking Water Outlet Inventory (See Sampling Plan)
  - Filter Inventory Report
  - Flushing Log
  - Pre-Sampling Water Use Certification
- Prepare labels for drinking water outlets to be sampled.
- Prepare for Walk-Thru including acquisition of School Floor Plan.
- Attend school Walk-Thru.
- Ensure proper completion of Walk-Thru documentation including identification of drinking water outlets on Floor Plan, and Sampling Location Inventory with coding according to the Sampling Plan (See Sampling Plan).
- Supervision of field activities such as Walk- Thru, flushing (if required), locking school prior to sampling, and sample collection.
- Identify drinking water outlets to be flushed and attach flush tag.

- Ensure that Field Sampling Team has all relevant sampling supplies including sampling bottles, labels, proper reagent water and chains of custody prior to collection of samples.
- Ensure that all drinking water outlets to be sampled prior to sampling event are labeled.
- Ensure that any low use drinking water outlets identified for sampling had been flushed.
- Remove flush tags from drinking water outlet.
- 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 of Sampling Plan.
- Verify that the Sampling Plan was followed prior to initiating sampling by completing the Pre-Sampling Water User Certification.
- Supervision of sampling event.
- Documentation of issues during sampling event in field logbook.
- Preparation of Field Walk-Thru Report, School Field Sampling Summary Report and Final Project Report for assigned school(s).
- Maintenance of field logbooks for each school.

#### 2.4 Laboratory Manager

The Laboratory Manager is responsible for:

- Supervising laboratory analyses to be performed in the Laboratory. This includes oversight of all QA requirements in the laboratory, data review, and qualification of the data.
- Providing the Laboratory Data Report Package to the Project Manager and Project Officer.

#### 2.5 Laboratory's Quality Assurance Officer (LQAO)

The Laboratory's Quality Assurance Officer (LQAO) is responsible for reviewing the QAPP and resolving any QA issues that may arise during the project.

#### 2.6 Field Sampler or Field Sampling Team

The Field Sampler or Field Sampling Team whether affiliated with the district, NJ certified Laboratory and/or Environmental Consulting Firm is responsible for ensuring that field activities are conducted in accordance with this QAPP and the Sampling Plan.

#### 3. Special Training Needs/Certification

Sampling will be performed by the district, a certified Laboratory, or an Environmental Consulting Firm-designated Sampling Team staff. Staff performing the sample collection will be properly trained in sampling techniques.

Laboratory personnel designated to analyze the samples have successfully completed required demonstrations of capability for the methods used. Suburban Testing Labs (STL) is a drinking water laboratory certified by New Jersey for the analysis and reporting of lead using USEPA drinking water Method 200.8.

Assessments of the Laboratory capability are conducted on a bi-annual basis by the PA DEP. The Laboratory Director has responsibility for correction of all deficiencies in their laboratory program.

#### 4. Project/Task Description

Drinking water samples will be collected from the drinking water outlets such as water fountains (bubblers), food preparation outlets such as those found in the cafeteria, kitchen and home economics classrooms and other outlets where there is the possibility of drinking the water such as in the special education classrooms, the medical office, the teachers' lounge, and ice machines. Concession stands and outside water fountains (such as in playgrounds and athletic fields) may also be considered for sampling. Also, the custodian sink faucet may be considered for sampling if this sink is used for filling large water coolers to provide water at school events. Outside hose spigots are not appropriate sampling locations for the purpose of this QAPP. The Sampling Plan provides more detail on appropriate sampling locations.

The Field Sampler or Team will conduct first draw (initial) sample collection and, as appropriate, follow-up flushed sample collection at the drinking water outlets specified in the Sampling Plan. The Sampling Team will consist of the Project Officer and the Sampler who will be affiliated with either the district, Laboratory, or the Environmental Consulting Firm. Suburban Testing Labs will perform the analysis for lead within the indicated turnaround time.

#### 5. Lead Data Quality Objectives and Criteria for Measurement

#### 5.1 Precision

STL performs a Matrix Spike/Matrix Spike Duplicate or Sample Duplicate for each preparation batch of less than or equal to twenty samples The acceptance criterion for replicate analysis is a maximum of 20 percent (%) Relative Percent Difference (RPD). Although not required by the method, per the QAPP template prepared by NJDEP, a Laboratory Control Standard (LCS) and LCS duplicate will be performed for each set of individual school samples.

#### **5.2** Bias

Per Method 200.8, STL performs analysis of laboratory fortified blanks (LFB) to assess accuracy/bias. The acceptance criterion for accuracy is for the results to be within plus or minus ±15% recovery of the known value.

A field reagent blank (FRB) must be collected for each school. The FRB is not a requirement for any other approved lead method other than USEPA Method 200.8 however the collection of a FRB is required with any of the other approved lead methods. The information provided by the results is used to determine whether the field or sample transporting procedures and environmental effects have contributed to contamination of the sample.

If any sample result(s) are qualified, this must be clearly indicated on the report and all final reports such as the field summary report. The Project Manager must be consulted to determine how to deal with the qualified results.

#### 5.3 Representativeness

The sampling effort is designed to identify all drinking water outlets, within a school, where there is a potential for water consumption such as at water fountains (bubblers) that may require corrective action due to first draw and/or follow-up flushed sample results that exceed 15  $\mu$ g/L of lead (as defined as greater than or equal to 15.5  $\mu$ g/L or greater). Food preparation outlets and other potential ingestion outlets such as special education classrooms, the medical office and bathroom sinks are to be considered for sampling.

#### 5.4 Comparability

The analytical methods for lead analysis in drinking water are found in the federal Safe Drinking Water Regulations at 40 CFR141.86 and 40 CFR 141 Appendix A to Subpart C. Use of these methods allows for the comparison of data to USEPA's drinking water action level for lead of greater than 15  $\mu$ g/L.

Analytical results from the first draw (initial) and the follow-up flushed samples will be compared to assist in determining the source of lead contamination. Appropriate

corrective measures must then be taken by the district.

For those school facilities with their own source (classified as a noncommunity water system), the results should be submitted to the NJDEP and used to assess compliance with the action levels in EPA's Lead and Copper Rule.

#### 5.5 Completeness

In order to satisfy the objective of the project, samples will be collected from drinking water outlets according to the sampling plan established in this QAPP.

One hundred percent (100%) of collected and verified samples will be analyzed and reported.

#### 5.6 Sensitivity

STL's Reporting Limit (RL) for the determination of lead in drinking water samples is 1  $\mu$ g/L which is lower than the regulatory Practical Quantitation Level for lead of 5  $\mu$ g/L. The Practical Quantitation Level for Lead is stated in the National Primary Drinking Water Contaminant Regulations 40 CFR141 Subpart I.

#### 6. Secondary Data

Secondary data for the district would be their historical lead data.

#### 7. Field Monitoring Requirements

Sampling may occur in the morning hours before schools are open or on weekdays or weekends when no school activities are expected. This will minimize the potential for people in the building to use water during the sampling survey. While sampling is underway it is advisable to prohibit any persons other than the sampling team to enter the building in order to ensure that no toilets or water outlets are being used.

#### 7.1 Monitoring Process Design

The sampling design, described in detail in the Sampling Plan (Appendix B) is based in part upon the 3T's Guidance (see Appendix A).

#### 7.2 Monitoring Methods

Equipment and supplies that will be needed to perform the sampling survey are ASTM Type I reagent-grade water for the field reagent blank (FRB), nitrile non-colored gloves, pre-cleaned HDPE wide-mouth 250 mL single use rigid sample containers ("sample container") and chain of custody (COC forms-Appendix C) and indelible ink/marker.

For sampling events where the Laboratory will collect the samples, the nitric acid can be either added to the collection bottle at the Laboratory and prior to collection or the nitric acid can be added at the school after collection of the sample. If the water samples are not acidified at the time of collection, the Laboratory will preserve all samples with laboratory grade nitric acid (HNO<sub>3</sub>) to a pH of 2 standard units (SU) or less within 48 hours of sample receipt.

Each school will have a separate sample cooler or box which will contain the field reagent blank (FRB) and the other samples collected. The samples will be transported by laboratory personnel to the Laboratory.

#### 7.3 Field Quality Control

The analytical results obtained from the FRB will determine whether field or sample transporting procedures is a cause of sample contamination.

Prior to the sampling event, the Sampler will collect a 250 mL ASTM Type I reagent-grade water from the Laboratory which will be used for the FRB. At the school and prior to the first sample collected at a school, the ASTM Type I reagent-grade water will be transferred into a sample container which will be identified as the FRB sample.

The ASTM Type I reagent-grade water will either be supplied by the Laboratory or purchased through a vendor. The 250 mL sample containers are purchased pre-cleaned. Sample containers are not to be reused.

#### 8. Analytical Requirements

#### 8.1 Analytical Methods

STL uses EPA Method 200.8 with a Reporting Level of 1µg/L.

The pH of all samples is checked at the time of receipt at the Laboratory. If the pH is not less than 2, the pH is adjusted with the addition of nitric acid. Samples that require the addition of nitric acid must sit for 16 hours prior to digestion (if applicable) or analysis. The pH of each sample is documented.

The turbidity of each sample is checked within 48 hours of receipt to determine if digestion is required. If the turbidity of the sample is greater than 1 NTU, the sample is digested prior to analysis. The turbidity of each sample is documented and samples that are digested are recorded on the preparation batch record.

If a sample result exceeds 90% of the linear dynamic range, the sample is diluted and reanalyzed. The dilution factor is included in the Laboratory report.

#### 8.2 Analytical Quality Control

The USEPA has established protocols for the analysis of Quality Control (QC) samples with each analytical batch of samples, generally defined as a maximum of twenty samples. All QC results are assessed and evaluated on an on-going basis and QC acceptance criteria is used to determine the validity of the data.

For analytical testing, the laboratory includes positive control samples Laboratory Control Sample (LCS) to evaluate the total analytical system. Negative control samples (Method Blanks) are used to assess the preparation batch for possible contamination during the preparation and processing steps. A blank is considered contaminated with any result at or above the analyte reporting limit. Specific control samples (Matrix Spikes) are used to indicate the effect of the sample matrix and replicates (matrix spike, LCS replicate) are performed to assess the precision of the results generated.

Specific information regarding acceptance criteria and corrective actions is documented in STL's SOP SL2008.

### 9. Sample Handling and Custody Requirements

All samples are aqueous and will be collected and labeled by the laboratory. Standard USEPA Chain of Custody (COC) procedures will be followed according to the information provided in Appendix B. The COC form found in Appendix C is to be used for this project.

Samples will be transported by Laboratory or Samplers or appropriate representative to the Laboratory.

Analyte	Sample Volume	Container	Preservation (Note1)	Holding Time
Lead (Pb)	250 mL	unused 250 mL rigid plastic wide-mouth – clean	Reagent Grade Nitric Acid (HNO <sub>3</sub> ) pH < 2	6 months

Note 1. Sample preservation will be conducted either in the field or by the Laboratory upon receipt.

#### 9.1 Sample Archive/Disposal

The samples received by the Laboratory for each school, including any digestates, will be eligible for disposal at a minimum 30 days unless otherwise directed by the district after the final report has been distributed. Samples including any digestates will not be archived unless a written request is provided to the Laboratory.

## 10. Instrument/Equipment Testing, Inspection, Maintenance & Calibration Requirements

#### 10.1 Instrument/Equipment Testing, Inspection and Maintenance

All laboratory equipment will be tested, calibrated, and maintained in accordance with STL's Quality Assurance Manual and SOP SL2008.

There are no field instruments anticipated for this project.

#### 10.2 Instrument/Equipment Calibration and Frequency

The USEPA approved analytical methods for lead listed in the National Primary Drinking Water Contaminant Regulations at 40 CFR 141.23 and Appendix A to Subpart C require that the instrument calibration be performed on a daily basis.

#### 10.3 Inspection/Acceptance of Supplies and Consumables

250 mL sample containers are purchased pre-cleaned. Sample containers are not to be reused. Sample gloves are to be disposable, non-colored and not reused.

#### 11. Data Management

STL will immediately (by the next business day) notify the Karl Environmental upon receipt of any validated laboratory results that exceed the action level for lead in drinking water that is greater than 15  $\mu$ g/L (as defined as greater than or equal to 15.5  $\mu$ g/L); who will then notify the Project Manager and Project Officer. For all results, the Laboratory will provide the result in micrograms per liter ( $\mu$ g/L) and to at least three (3) significant figures (i.e.,19.6  $\mu$ g/L or 20.4  $\mu$ g/L) on the Excel spreadsheet.

The Laboratory will provide a final electronic copy of the Lead Data Report Package (LDR) for each school that will consist of 1) laboratory report of the analytical results including identification of the school's name and description of all qualifiers used in the report in PDF format, 2) the chain of custody in PDF format and 3) an Excel spreadsheet of the results. The Excel spreadsheet will include the information required in the Excel template provided in Appendix D.

Information required to be included in separate columns includes but is not limited to the field ID (sample location identifier and/or code), the Laboratory sample ID, the Laboratory Name and Laboratory certification number, whether the sample was flushed, the date and time of collection and analysis, the analytical method, the analytical result in  $\mu g/L$ , the reporting limit in  $\mu g/L$ , and whether the sample was diluted or digested and any qualifiers.

The LDR Package will include the analytical results, appropriate qualifiers, and reporting limits for analyses of submitted samples as requested by the district. The LDR Package must include explanations of any relevant procedural deviations or anomalies associated with the sample handling and analysis of the project. This report will be completed within the timeframe indicated in the contract. (see Section 4).

#### 12. Assessments/Oversight

Formal field audits by QA personnel may be conducted for this project. However, identification of problems related to technical performance will be the responsibility of the staff working on this project.

The Project Officer(s) will assess any problem that arises in the field. If necessary, modifications to technical procedures may be considered. Any changes in technical procedures will be documented in the field logbook, evaluated to determine if there will be any impact to the data and then highlighted in the Final Project Report.

The Laboratory personnel will perform self-audits and institute corrective actions in accordance with their respective written procedures.

#### 13. Data Review, Verification, Validation, and Usability

#### 13.1 Data Review, Verification and Validation

The Project Manager will evaluate the Final Field Report against the final analytical results to determine if any field observations may have contributed to lower or higher analytical results.

The Project Manager will review the analytical report and determine any limitations on the use of the data (see Section 5.2 Bias of this QAPP) and include these limitations in the Final Project Report.

Data review of all laboratory generated data is performed by qualified staff who are not associated with the actual measurement operations for the given analytical batch but knowledgeable in the analytical processes employed. It is the responsibility of the LQAO to ensure that all data generated are correct and of known and documented quality.

Once the review is completed, the reviewer will sign and date the appropriate QA/QC

checklist. Any limitations on the use of data (e.g., data qualifiers) will be included in the Final Project Report.

#### 13.2 Reconciliation with User Requirements

As long as the Field Sampling Summary Report, LDR Package and Final Project Report of this QAPP are satisfied, the data will be useable for the purpose intended and no further assessment is required. If any data are determined to be unusable by the Project Manager, re-sampling may be required.

#### 14. Reporting, Documents and Records

Original documents (X) will be stored as follows:

	<u>Individual</u>	<b>School District</b>	<b>School District</b>
_	School Project	<u>Project</u>	<u>Program</u>
Document:	<u>Officer</u>	<u>Manager</u>	<u>Manager</u>
QAPP	Сору	Χ	Сору
Field Walk-Thru Report	Χ	Сору	Сору
Field Logbook	Χ		
Chains of Custody	Χ	Сору	Сору
Flushing Notification/ Flushing Log Tags/Procedure	Χ	Сору	Сору
Field Sampling Summary Report	Χ	Сору	Сору
<ul> <li>Flush Tags</li> </ul>	Χ	Сору	Сору
<ul> <li>Floor Diagrams</li> </ul>	Χ	Сору	Сору
<ul> <li>Plumbing Profile</li> </ul>	Χ	Сору	Сору
Filter Inventory	Χ	Сору	Сору
<ul> <li>Drinking Water Outlet Inventory</li> </ul>	Χ	Сору	Сору
Pre Sampling Water Use Certification	Χ	Сору	Сору
Laboratory Data Report	Χ	Сору	Сору
Final Project Report	Сору	Х	Сору

## **Appendix A**

# 3Ts for Reducing Lead in Drinking Water in Schools:

Revised Technical Guidance, December 2005; Errata to 3Ts, October 2006

Available online at:

https://www.epa.gov/sites/production/files/2015-09/documents/toolkit leadschools guide 3ts leadschools.pdf

http://www.nj.gov/dep/watersupply/dwc-lead-schools.html

## **Appendix B**

## Plainfield Board of Education Lead Water Testing

**Sampling Plan** 

Available under separate cover

## **Appendix C: Results & Chain of Custody**

Available under separate cover

## **Appendix D:**

**Excel Template for Lead Results** 

#### First Draw Lead in Drinking Water Results

Table 1: Plainfield Board of Education - August 16, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?	
AB - BLANK	Field Blank	<1.00	No	
AB – SF – 1FL - 115	Sink Fountain	3.16	No	
AB – SF – 1FL - 105	Sink Fountain	1.92	No	
AB – SF – 1FL – 107	Sink Fountain	<1.00	No	
AB – WF - 1FL- GYM	Water Fountain	<1.00	No	
AB–WC- 2FL – AUDITORIUM	Water Fountain	<1.00	No	
AB – S - 3FL – 302	Sink	20.0	Yes	
AB – WC - 2FL – HALLWAY	Water Fountain	<1.00	No	
AB – S - 2FL – LOUNGE	Sink	1.92	No	
AB – BF - 2FL – HALLWAY	Bottle Filler	<1.00	No	
AB – S – 1FL - 111	Sink	<1.00	No	

#### **Results above action level**

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, one (1) outlet within the administration building exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service.

Table 2: Annex Building – August 10, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
PHS – ANNEX - BLANK	Field Blank	<1.00	No
PHS – BF – HANNEX – B&G	Bottle Filler	<1.00	No
PHS – WC – ANNEX – B&G	Water Fountain	<1.00	No
PHS – SK – HANNEX – B&G	Sink	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Annex Facility exceeded the Action Level.

Table 3: Dewitt D. Barlow Elementary School – August 11, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
BS - BLANK	Field Blank	<1.00	No
BS - WC - 1FL – 104A	Water Fountain	<1.00	No
BS - WC - 1FL – 162L	Water Fountain	40.2	Yes
BS - WC - 1FL – 162R	Water Fountain	4.64	No
BS – NS - 1FL- NURSE	Sink	<1.00	No
BS – S - 1FL- 112	Sink	4.25	No
BS – WC - 1FL- 112	Water Fountain	2.23	No
BS – WC - 1FL – 127	Water Fountain	45.6	Yes
BS – WC - 2FL – 255L	Water Fountain	4.24	No
BS – WC - 2FL – 255R	Water Fountain	2.23	No
BS – WC - 2FL – 203	Water Fountain	394	Yes
BS – WC - 2FL – 208	Water Fountain	658	Yes
BS – WC - 1FL – 127R	Water Fountain	45.7	Yes
BS – NS - 1FL – NURSE-R	Sink	94.5	Yes
BS – BF - 1FL- 104A	Bottle Filler	4.07	No
BS – BF – 1FL – GYM	Bottle Filler	6.07	No
BS – WCL – 1FL – GYM	Water Fountain	14.7	No
BS – WCR– 1FL – GYM	Water Fountain	<1.00	No
BS – STL - 1FL – KITCHEN	Sink	5.14	No
BS – STR - 1FL – KITCHEN	Sink	39.0	Yes
BS – SK - 1FL – KITCHEN	Sink	18.8	Yes

#### **Results above action level**

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, eight (8) outlets at the Dewitt D. Barlow Elementary School exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service.

Table 4A: Cedarbrook K-8 Center – August 11, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
CS - BLANK	Field Blank	<1.00	No
CS – WC – 1FL – 130	Water Fountain	<1.00	No
CS – SK1 – KITCHEN	Sink	1.90	No
CS – SK2 – KITCHEN	Sink	<1.00	No
CS – SK3 – KITCHEN	Sink	1.98	No
CS – SK4 – KITCHEN	Sink	<1.00	No
CS – BF - 1FL- 157R	Bottle Filler	<1.00	No
CS – WC - 1FL – 125	Water Fountain	8.92	No
CS – WC - 1FL – 157L	Water Fountain	<1.00	No
CS – WC - 1FL – 157R	Water Fountain	<1.00	No
CS – SK - 1FL – 119	Sink Fountain	3.44	No
CS – NSK - 1FL	Sink	2.13	No
CS – WC – 1FL - 110	Water Fountain	*	*Outlet not working
CS – SF - 1FL – 107	Sink Fountain	<1.00	No
CS – SF - 1FL – 103	Sink Fountain	<1.00	No
CS – SF - 1FL- 106	Sink Fountain	17.6	Yes
CS – WC – 1FL - 101	Water Fountain	*	*Outlet not working
CS- SF – 1FL - 104	Sink Fountain	<1.00	
CS – FP – 1FL – KITCHEN	Kettle	1080	Yes
CS – FP – 1FL – KITCHEN	Griddle	301	Yes
CS – WC - 1FL- 147	Water Fountain	5.58	No
CS – WC – 1FL - 155	Water Fountain	*	*Outlet not working

Results above action level Sample could not be collected

Laboratory analytical results from the sampling performed on August 11, 2021 were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, three (3) outlets at the Cedarbrook K-8 Center exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service. Three (3) outlets within the facility could not be sampled as they were not operational and should be sampled prior to being put into service.

Table 4B: Cedarbrook K-8 Center – August 16, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
CS - BLANK	Field Blank	<1.00	No
CS – WC – 1FL – 134L	Water Fountain	<1.00	No
CS – WC – 1FL – 134R	Water Fountain	1.90	No
CS – WC - 1FL- 109	Water Fountain	119	Yes
CS – WC - 1FL – 102	Water Fountain	122	Yes
CS – WC - 1FL – 108	Water Fountain	19.2	Yes
CS – BF – 1FL – 134R	Bottle Filler	<1.00	No



#### **Results above action level**

Laboratory analytical results from sampling performed on August 16, 2021 were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, three (3) outlets at the Cedarbrook K-8 Center exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service.

Table 5: Clinton Elementary School – August 26, 2021

Table 5. Clinton Elementary School – August 26, 2021			
Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
CLS - BLANK	Field Blank	<1.00	No
CLS - NS1 - 1FL - 113	Sink	4.10	No
CLS - NS2 - 1FL - 113	Sink	2.96	No
CLS – NS3 – 1FL – 113	Sink	3.06	No
CLS – WC– 1FL-113L	Water Fountain	<1.00	No
CLS – WC– 1FL-113R	Water Fountain	<1.00	No
CLS – SF - 1FL – 105	Sink Fountain	9.45	No
CLS – SF - 1FL – 115	Sink Fountain	3.00	No
CLS – SF - 1FL – 116	Sink Fountain	12.9	No
CLS – SF - 1FL – 104	Sink Fountain	122	YES
CLS – WC– 1FL-103L	Water Fountain	4.01	No
CLS – WC– 1FL-103L	Water Fountain	2.20	No
CLS – SF - 1FL – 103	Water Fountain	136	YES
CLS – SF - 1FL – 101	Sink Fountain	37.5	YES
CLS – SF - 1FL – 139	Sink Fountain	3.69	No
CLS – SF - 1FL- 123	Sink Fountain	1.33	No
CLS – SF – 1FL – 124	Sink Fountain	1.34	No
CLS- SF – 1FL - 138	Sink Fountain	1.06	No
CLS – S – KITCHEN	Sink	3.96	No
CS – WC - 1FL- CAFEL	Water Fountain	<1.00	No
CS – WC - 1FL- CAFER	Water Fountain	<1.00	No
CLS-SF-2FL-222L	Sink Fountain	1.63	No
CLS-SF-2FL-222R	Sink Fountain	10.9	No
CLS-S-2FL-230	Sink	3.36	No
CLS-SF-2FL-203	Sink Fountain	43.0	YES
CLS-WC-2FL-203L	Water Fountain	5.08	No
CLS-WC-2FL-203R	Water Fountain	4.41	No
CLS-SF-2FL-204	Sink Fountain	6.62	No
CLS-SF-2FL-216	Sink Fountain	11.2	No
CLS-SF-2FL-205	Sink Fountain	15.3	YES
CLS-SF-2FL-215	Sink Fountain	14.0	No
CLS-SF-2FL-215L	Water Fountain	*	*Outlet not working
CLS-SF-2FL-215R	Water Fountain	*	*Outlet not working
CLS-SF-2FL-213	Sink Fountain	3.93	No
CLS-SF-2FL-206	Sink Fountain	7.42	No
CLS-SF-2FL-208	Sink Fountain	6.87	No

Results above action level

Sample could not be collected

Laboratory analytical results from the sampling performed on August 26, 2021 were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, five (5) outlets at the Clinton Elementary School exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service. Two (2) outlets within the facility could not be sampled as they were not pluged in at the time of sampling and should be sampled prior to being put into service.

Table 6: Fredrick W. Cook Elementary School – August 17, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
FWCS - BLANK	Field Blank	<1.00	No
FWCS – WC – BFL - JC002	* Water Fountain	*	*Out of service
FWCS - WC - BFL – CAFÉ	Water Fountain	592	Yes
FWCS – WC - 1FL - 102	Water Fountain	49.7	Yes
FWCS – SF - 1FL- 103	Sink Fountain	10.1	No
FWCS – WF - 1FL - 108	Water Fountain	<1.00	No
FWCS – S - 1FL – 109A	Sink	28.5	Yes
FWCS – WC - 1FL - 107	Water Fountain	<1.00	No
FWCS – NS - 1FL - NURSE	Sink	3.12	No
FWCS – WC - 1FL – 116A	Water Fountain	79.0	Yes
FWCS – WC - 1FL – 117	* Water Fountain	*	*Outlet not working
FWCS – WC - 1FL – 118	* Water Fountain	*	*Outlet not working
FWCS – WC - 1FL - 122	Water Fountain	10.9	No
FWCS – S - CAFEL	Sink	44.9	Yes
FWCS – S - CAFER	Sink	49.1	Yes
FWCS – BF- 1FL – 107	Bottle Filler	<1.00	No

Results above action level Sample could not be collected

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, six (6) outlets at the Fredrick W. Cook Elementary School exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service. Three (3) of the outlets within the facility could not be sampled as they were not operational and should be sampled prior to being put into service.

Table 7: Emerson Community School – August 17, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
EES – WC – 1FL – GYML	Water Fountain	<1.00	No
EES – WC – 1FL – GYMR	Water Fountain	<1.00	No
EES - WC - 1FL – 143L	Water Fountain	<1.00	No
EES - WC - 1FL – 143R	Water Fountain	<1.00	No
EES – S - 1FL- KITCHEN	Sink	1.46	No
EES – NS - 1FL- NURSE	Sink	5.57	No
EES - SF - 1FL – 129	Sink Fountain	7.99	No
EES - WC - 1FL – JC16L	Water Fountain	<1.00	No
EES - WC - 1FL – JC16R	Water Fountain	<1.00	No
EES – S - 1FL – 108	Sink Fountain	<1.00	No
EES – SF - 1FL – 107	Sink Fountain	5.51	No
EES – SF - 1FL – 105	Sink Fountain	*	*Not Accessible
EES – SF - 1FL – 103	Sink Fountain	1.43	No
EES - WC - 1FL – JC218L	Water Fountain	*	*Not Accessible
EES - WC - 1FL – JC218R	Water Fountain	*	*Not Accessible
EES – SF - 2FL – 225	Sink Fountain	4.18	No
EES – NS - 1FL – 136A	Sink	4.26	No
EES – NS - 1FL- 136B	Sink	2.38	No

Sample could not be collected

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, none of the samples exceeded the action Level. Three (3) outlets within the facility could not be sampled as they were not operational and should be sampled prior to being put into service.

Table 8: Evergreen Elementary School – August 26, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
ES - BLANK	Field Blank	<1.00	No
ES – SF – 1FL - 106	Sink Fountain	9.06	No
ES – SF – 1FL - 107	Sink Fountain	7.46	No
ES – WC – 1FL - 109	Water Fountain	<1.00	No
ES – 2FL – GT214	Water Fountain	<1.00	No
ES – SF – 2FL - 209	Sink Fountain	7.92	No
ES – SF – 2FL - 214	Sink Fountain	3.25	No
ES – S – 2FL - 208	Sink	<1.00	No
ES – S – 2FL – 207A	Sink	<1.00	No
ES – WC – 2FL - 205	Water Fountain	<1.00	No
ES – WC - 1FL – CAFÉ	Water Fountain	<1.00	No
ES – WC – 3FL - 305	Water Fountain	<1.00	No
ES – WC - 3FL – GT314	Water Fountain	<1.00	No
ES – S - 109	Sink	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, all samples collected were below the regulatory action Level of 15 ppb for lead.

Table 9: Frank J. Hubbard Middle School – August 12, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
HMS - BLANK	Field Blank	<1.00	No
HMS – WC – 1FL – 142L	Sink	<1.00	No
HMS - WC - 1FL – 142R	Water Fountain	<1.00	No
HMS - WC - 1FL – CAFEL	Water Fountain	<1.00	No
HMS - WC - 1FL – CAFER	Water Fountain	<1.00	No
HMS – S - 1FL- KITCHEN	Sink	13.2	No
HMS – SK - 1FL- KITCHEN	Sink	32.3	Yes
HMS – WF - 1FL – BOYSLCKERL	Water Fountain	<1.00	No
HMS – WF - 1FL – BOYSLCKERR	Water Fountain	<1.00	No
HMS – WF - 1FL – GIRLLCKERL	Water Fountain	6.45	No
HMS – WF - 1FL – GIRLLCKERR	Water Fountain	6.30	No
HMS – WC - 1FL – GYM	Water Fountain	<1.00	No
HMS – NS - 1FL – 114	Sink	2.88	No
HMS – WC - 1FL – 109A	*Water Fountain	*	*Not working
HMS – WC - 1FL – 136	Water Fountain	<1.00	Yes
HMS – WC - 2FL- 222L	Water Fountain	18.1	Yes
HMS – WC - 2FL- 222R	Water Fountain	9.42	No
HMS – WC - 2FL- 210	Water Fountain	<1.00	Yes
HMS – WC - 2FL- 203	Water Fountain	2.30	No
HMS – WC – 3FL – 301	*Water Fountain	*	*Not working
HMS – NS - 3FL – 310	Sink	<1.00	No
HMS – S - 1FL- KITCHEN	Sink	8.59	No
HMS – BF - 1FL – BOYSLCKERR	Bottle Filler	<1.00	No
HMS – BF - 1FL – GYM	Bottle Filler	<1.00	No
HMS – WC - 2FL- 227R	Water Fountain	1.63	No
HMS – WC - 2FL- 227L	Water Fountain	10.0	No

**Results above action level** 

Sample could not be collected

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, two (2) outlets at the Frank J. Hubbard Middle School exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service. Two (2) outlets within the facility could not be sampled as they were not operational and should be sampled prior to being put into service.

Table 10: Plainfield Family Resource Center – August 26, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
504 - BLANK	Field Blank	<1.00	No
504 – 1FL – KIT – SK	Sink	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Family Resourse Center on Madison Ave exceeded the Action Level.

Table 11: Hub-Stine Athletic Field – August 17, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
HSF – IM – 1FL – KIT	Ice Machine	<1.00	No
HSF – WC – 1FL – HOMETEAM	Water Fountain	1.17	No
HSF – S – 1FL – BOOSTERCLUB	Sink	80.6	Yes
HSF – WF – 1FL – TENNISCLUB	Water Fountain	6.46	No
HSF – WF – 1FL – VISITORSRM	Water Fountain	<1.00	No
HSF – SL – 1FL – ATHLETICRM	Sink	1.47	No
HSF – SR – 1FL – ATHLETICRM	Sink	1.52	No

#### **Results above action level**

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, one (1) outlet at the Hub-Stine athletic field exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service.

Table 12: Jefferson Elementary – August 16, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
JES - BLANK	Field Blank	<1.00	No
JES – WC – 1FL – GYML	Water Fountain	56.6	Yes
JES – WC – 1FL – GYMR	Water Fountain	9.52	No
JES – S – 2FL – 217	Sink	1.75	No
JES – SF – 2FL - 205	Sink Fountain	165	Yes
JES – WC – 2FL – 205L	Water Fountain	21.5	Yes
JES – WC – 2FL – 205R	Water Fountain	13.0	No
JES – SF – 2FL - 202	Sink Fountain	606	Yes
JES – SF – 2FL - 222	Sink Fountain	1490	Yes
JES – SF – 2FL - 225	Sink Fountain	17.6	Yes
JES – WC – 3FL – 305L	Water Fountain	10.0	No
JES – WC – 3FL – 305R	Water Fountain	3.13	No
JES – WC – 4FL – 403L	Water Fountain	<1.00	No
JES – WC – 4FL – 403R	Water Fountain	<1.00	No
JES – WC - 1FL – CAFEL	Water Fountain	1.27	No
JES – WC - 1FL – CAFER	Water Fountain	<1.00	No
JES – S - 1FL- GYM	Sink	2.92	No
JES – SL–1FL–NURSE-108	Sink	109	Yes
JES - SR – 1FL – NURSE	Sink	5.51	No
JES – S – 1FL – 324	Sink	<1.00	No
JES – S - 1FL – 426	Sink	2.06	No

#### **Results above action level**

Laboratory analytical results from the sampling performed on August 16, 2021 were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, seven (7) outlets at the Jefferson Elementary School exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service.

Table 13: Lincoln Elementary School – August 17, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
LEC – S – GFI	Sink	3.96	No
LEC - WC - 1FL – HALL	Water Fountain	1.46	No
LEC – WC - 2FL - HALL	Water Fountain	3.55	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, none of the outlets at the Lincoln Elementary School exceeded the Action Level.

Table 14: Maxson Middle School – August 11, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
MMS - BLANK	Field Blank	<1.00	No
MMS – WC – 1FL – 102	Water Fountain	<1.00	No
MMS - WC - 1FL – 107	Water Fountain	<1.00	No
MMS - NS - 1FL – 108	Sink	5.92	No
MMS – WC - 1FL- CAFÉ	Water Fountain	<1.00	No
MMS – SK - 1FL- KITCHEN	Sink	15.6	Yes
MMS – BS - 1FL- KITCHEN	Sink	7.50	No
MMS – WC - 1FL – 126	Water Fountain	7.10	No
MMS- WC – 1FL – 127L	* Water Fountain	*	*Outlet not working
MMS- WC – 1FL – 127R	* Water Fountain	*	*Outlet not working
MMS- WC – 1FL – 126L	* Water Fountain	*	*Outlet not working
MMS- WC – 1FL – 126L	* Water Fountain	*	*Outlet not working
MMS – WC - 2FL – 234	Water Fountain	<1.00	No
MMS – WC - 2FL – 227	Water Fountain	<1.00	No
MMS – WC - 2FL – 229	Water Fountain	<1.00	No
MMS – WC - 2FL- 218	Water Fountain	<1.00	No
MMS- WC – 2FL – 207	Water Fountain	<1.00	No
MMS – WC – 2FL – 203	Water Fountain	<1.00	No
MMS – WC – 3FL – 303	Water Fountain	12.7	No
MMS – WC – 3FL – 307	Water Fountain	4.29	No
MMS – BF – 1FL – 102	Bottle Filler	<1.00	No
MMS – BF – 1FL – 107	Bottle Filler	<1.00	No
MMS – BF – 1FL – CAFÉ	Bottle Filler	<1.00	No
MMS – BS2 - 1FL- KITCHEN	Sink	3.17	No
MMS – BF - 1FL - 126	Bottle Filler	<1.00	No
MMS – BF - 1FL - 116	Bottle Filler	<1.00	No
MMS – BF – 1FL – 122	Bottle Filler	<1.00	No

Results above action level Sample could not be collected

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, one (1) outlet at Maxson Middle School exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service. Four outlets within the facility could not be sampled due as they were not operational and should be sampled prior to being put into service.

Table 15A: Old Plainfield High School – August 10, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
OPHS - BLANK	Field Blank	<1.00	No
OPHS – S – GFL – 407	Sink	<1.00	No
OPHS - WC - 2FL – 510	Water Fountain	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Old Plainfield High School exceeded the Action Level.

Table 15B: Old Plainfield High School – August 12, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
OPHS – WC – 1FL – 505	Water Fountain	<1.00	No
OPHS - WC - 1FL - 500D	Water Fountain	<1.00	No
OPHS – WC – 2FL – HALL	Water Fountain	<1.00	No
OPHS – WC – 2FL – 606	Water Fountain	<1.00	No
OPHS – WC – 2FL - 607	Water Fountain	<1.00	No
OPHS – WC – 3FL – 704	Water Fountain	<1.00	No
OPHS – WC – 3FL – 705	Water Fountain	1.21	No
OPHS – WC – 3FL - HALL	Water Fountain	1.94	No
OPHS – BF – 2FL - 510	Bottle Filler	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Old Plainfield High School exceeded the Action Level.

Table 16: PAAS School – August 16, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
PAAS - BLANK	Field Blank	<1.00	No
PAAS – SK – 1FL – KITCHEN	Sink	<1.00	No
PAAS - WC - 1FL – 156L	Water Fountain	<1.00	No
PAAS - WC - 1FL – 156R	Water Fountain	<1.00	No
PAAS – SF - 1FL- 130	Sink Fountain	<1.00	No
PAAS – SF - 1FL- 132	Sink Fountain	<1.00	No
PAAS – SF - 1FL- 134	Sink Fountain	1.84	No
PAAS – WC - 1FL – 143L	Water Fountain	<1.00	No
PAAS – WC - 1FL – 143R	Water Fountain	<1.00	No
PAAS – WC - 1FL – 143	Water Fountain	<1.00	No
PAAS – WC - 1FL – 109L	Water Fountain	<1.00	No
PAAS – WC - 1FL – 109R	Water Fountain	<1.00	No
PAAS – NS1 - 1FL – 103	Sink	<1.00	No
PAAS – NS2 - 1FL – 103	Sink	47.1	Yes
PAAS – SF - 1FL- 150	Sink Fountain	<1.00	No
PAAS- SF – 1FL - 152	* Sink Fountain	*	*Outlet not working
PAAS – SK2 – 1FL – KITCHEN	Sink	33.2	Yes
PAAS – SK3 – 1FL – KITCHEN	Sink	<1.00	No
PAAS – SF - 1FL- 131	Sink Fountain	<1.00	No
PAAS – NS3 - 1FL – 103	Sink	<1.00	No
PAAS – S - 1FL – 156	Sink Fountain	20.1	Yes

Results above action level Sample could not be collected

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, three (3) outlets at the Plainfield Academy for the Arts & Advanced Studies exceeded the action Level. Upon receipt of results the District was notified and removed the outlets from service. One (1) outlet within the facility could not be sampled as they were not operational and should be sampled prior to being put into service.

Table 17A: Plainfield High School – August 10, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
PHS - BLANK	Field Blank	<1.00	No
PHS – SK1 – 1FL – 149L	Sink	8.20	No
PHS – SK2 – 1FL – 149	Sink	4.89	No
PHS – SK3 – 1FL – 149	Sink	44.8	Yes
PHS – SK4 – 1FL – 149	Sink	38.0	Yes
PHS – SK5 – 1FL – 149R	Sink	10.1	No
PHS – WC - 1FL – 181	Water Fountain	9.94	No
PHS – WC - 1FL - 186	Water Fountain	<1.00	No
PHS – WC - 1FL - 188	Water Fountain	45.8	Yes
PHS – WC - 1FL - 187	Water Fountain	2.22	No
PHS – WC - 1FL – 144L	Water Fountain	<1.00	No
PHS – WC - 1FL – 144R	Water Fountain	6.72	No
PHS – WC - 1FL – 102L	Water Fountain	<1.00	No
PHS – WC - 1FL – 102R	Water Fountain	<1.00	No
PHS – NSK – 1FL - 168	Sink	3.26	No
PHS – WF - 1FL - 172	Water Fountain	1.71	No
PHS – SK1 – 1FL – KITCHEN	Sink	<1.00	No
PHS – SK2 – 1FL – KITCHEN	Sink	<1.00	No
PHS – SK3 – 1FL – KITCHEN	Sink	<1.00	No
PHS – IM – 1FL – 177C	Ice Machine	<1.00	No
PHS – BF - 1FL – 144L	Bottle Filler	<1.00	No
PHS – BF - 1FL – 102R	Bottle Filler	<1.00	No
PHS – SK – 1FL – KITCHEN	Sink	<1.00	No
PHS – TL – 1FL – 178CM	Sink	<1.00	No
PHS – SK – 2FL - 254	Sink	2.20	No
PHS – IM – 1FL – 173	Ice Machine	<1.00	No
PHS – SK – 1FL - 158	Sink	2.63	No

#### **Results above action level**

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, three (3) outlets at the Plainfield High School exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service.

Table 17B: Plainfield High School - August 12, 2021

Table 175. Hammeld High School Adgust 12, 2021				
Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?	
PHS – WC - 1FL – 185	Water Fountain	469	Yes	
PHS – WC - 1FL – 183	Water Fountain	*	*Not working	
PHS – WC - 1FL – 128	Water Fountain	429	Yes	
PHS – WF - 1FL – 171R	Water Fountain	<1.00	No	
PHS – WF - 1FL – 171L	Water Fountain	*	*Not working	
PHS – WF - 1FL – 173C	Water Fountain	4.96	No	
PHS – WF - 1FL – 173A	Water Fountain	1280	Yes	
PHS – BF - 1FL – 174	Bottle Filler	<1.00	No	
PHS – SK - 1FL – Trainers RM	Sink	5.55	No	
PHS – WC - 2FL – MT254L	Water Fountain	71.2	Yes	
PHS – WC - 2FL – MT254R	Water Fountain	762	Yes	
PHS – WC - 2FL – 275L	Water Fountain	1.50	No	
PHS – WC - 2FL – 275R	Water Fountain	115	Yes	
PHS – WC - 2FL – 226L	Water Fountain	<1.00	No	
PHS – WC - 2FL – 226R	Water Fountain	<1.00	No	
PHS – BF – 2FL – 226L	Bottle Filler	<1.00	No	

Results above action level Sample could not be collected

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, six (6) outlets within the Plainfield High School exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service. Two (2) of the outlets within the facility could not be sampled as they were not operational and should be sampled prior to being put into service.

Table 18: Plainfield Tech Center – August 16, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
TC - BLANK	Field Blank	<1.00	No
TC - S - 1820	Sink	<1.00	No
TC – WC – HALL - L	Water Fountain	*	*Not Sampled
TC – WC – HALL - R	Water Fountain	*	*Not Sampled

#### Samples could not be collected

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, none of the outlets exceeded the Action Level. Two (2) outlets could not be sampled as they were not operational and should be sampled prior to being placed in service.

Table 19: Charles H. Stillman Elementary School – August 26, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
SS - BLANK	Field Blank	<1.00	No
SS – WC - 1FL – 118L	Water Fountain	<1.00	No
SS – WC - 1FL – 118R	Water Fountain	<1.00	No
SS – NS – 1FL – NURSE	Sink	2.30	No
SS – WC - 1FL – 112	Water Fountain	<1.00	No
SS – WC - 1FL – 104L	Water Fountain	<1.00	No
SS – WC - 1FL – 104R	Water Fountain	<1.00	No
SS – WF - 1FL – 100	Water Fountain	12.2	No
SS – SF - 1FL – 101	Sink Fountain	3.97	No
SS – S - 1FL – 203	Sink	2.61	No
SS – BF - 1FL – 118R	Bottle Filler	<1.00	No
SS – BF - 1FL – 112R	Bottle Filler	<1.00	No
SS – BF - 1FL – 104R	Bottle Filler	<1.00	No
SS – WC - 1FL – 112R	Water Fountain	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Charles H. Stillman Elementary School exceeded the Action Level.

Table 20: Washington Community School – August 17, 2021

Sample I.D.	Type of Collection Point	Lead Concentration	Above Regulatory Action Level?
		(ppb)	Action Level:
WCS - BLANK	Field Blank	<1.00	No
WCS – WC – 1FL – 112L	Water Fountain	<1.00	No
WCS - WC - 1FL – 112R	Water Fountain	<1.00	No
WCS – NS - 1FL - 122	Sink	4.10	No
WCS – SF - 1FL- 125	* Water Fountain	*	*Out of service
WCS – SF - 1FL- 127	Sink Fountain	4.99	No
WCS – S - 1FL – 126	Sink	4.23	No
WCS – SF - 1FL- 124	* Water Fountain	*	*Out of service
WCS – S - 1FL – 152	Sink	18.5	Yes
WCS – SF - 1FL – 165	Sink Fountain	<1.00	No
WCS – SF - 1FL – 164	Sink Fountain	<1.00	No
WCS – SF - 1FL – 159	Sink Fountain	4.75	No
WCS – WC - 1FL – GYML	Water Fountain	<1.00	No
WCS – WC - 1FL – GYMR	Water Fountain	<1.00	No
WCS – S3 - 1FL – KITCHEN	Sink	<1.00	No
WCS – S – 1FL – KIT	Sink	53.1	Yes
WCS – S – 2FL - 200	Sink	<1.00	No
WCS – WC – 2FL – 212L	Water Fountain	<1.00	No
WCS – WC – 2FL – 212R	Water Fountain	<1.00	No
WCS – WC – 2FL – 233L	Water Fountain	3.49	No
WCS – WC – 2FL – 233R	Water Fountain	5.13	No
WCS – BF – 1FL – 112R	Bottle Filler	<1.00	No
WCS – NS2 – 1FL – 122C	Sink	<1.00	No
WCS – IM – 2FL - 200	Ice Machine	<1.00	No
WCS – S – 2FL224	Sink	<1.00	No
WCS – S – 2FL225	Sink	1.14	No
WCS – S2 – 1FL - KITCHEN	Sink	<1.00	No
WCS – S4 – 1FL - KITCHEN	Sink	14.8	No
WCS – S5 – 1FL - KITCHEN	Sink	1.91	No
WCS – S6 – 1FL - KITCHEN	Sink	4.61	No
WCS – S7 – 1FL - KITCHEN	Sink	<1.00	No

Results above action level Sample could not be collected

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, two (2) outlets at the Washington Community School exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service. Two (2) of the outlets within the facility could not be sampled as they were not operational and should be sampled prior to being put into service.

#### **Second Draw Lead in Drinking Water Results**

Table 21: Washington Community School – April 21, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
WCS-BLANK	Field Blank	<1.00	No
WCS-S-1FL-152	Sink	<1.00	No
WCS-S-1FL-KIT	Sink	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Washington Community School exceeded the Action Level.

Table 22: Maxson Middle School- April 21, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
MMS-BLANK	Field Blank	<1.00	No
MMS-SK-1FL-KITCHEN	Sink	3.52	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Maxson Middle School exceeded the Action Level.

Table 23: Plainfield Hub-Stine Athletic Facility—April 21, 2022

	Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
	MMS-BLANK	Field Blank	<1.00	No
Ī	HSF-S-1FL-BOOSTERCLUB	Sink	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Plainfield Hub-Stine Atheletic Facility exceeded the Action Level.

Table 24: Frank J. Hubbard Middle School- April 21, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
HMS-BLANK	Field Blank	<1.00	No
HMS-SK-1FL-KITCHEN	Sink	1.11	No

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
HMS-WC-2FL-222L	Water Fountain	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Frank J. Hubbard Middle School exceeded the Action Level.

Table 25: Cedarbrook K-8 Center- April 22, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
CS-BLANK	Field Blank	<1.00	No
CS-FP-1FL-KITCHEN	Kettle	<1.00	No
CS-FP-1FL-KITCHEN	Griddle	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Cedarbrook K-8 Center exceeded the Action Level.

Table 26: Plainfield Board of Education—April 22, 2022

	Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
	AB-BLANK	Field Blank	<1.00	No
ſ	AB-S-3FL-302	Sink	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Plainfield Board of Education exceeded the Action Level.

Table 27: Frederic W. Cook Elementary School– April 22, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
FWCS-BLANK	Field Blank	<1.00	No
FWCS-WC-102	Kettle	<1.00	No
FWCS-S-1FL-109A	Griddle	5.83	No
FWCS-WC-1FL-116A	Water Fountain	5.06	No
FWCS-WC-BFL-CAFE	Water Fountain	<1.00	No
FWCS-S-CAFE-L	Sink	<1.00	No
FWCS-S-CAFE-R	Sink	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Frederic W. Cook Elementary School exceeded the Action Level.

Table 28: Plainfield Academy for the Arts and Advanced Studies – April 22, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
PAAS-BLANK	Field Blank	<1.00	No
PAAS-NS2-1FL-103	Sink	<1.00	No
PAAS-SK2-1FL-KITCHEN	Sink	<1.00	No
PAAS-S-1FL-156	Sink Fountain	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Plainfield Academy for the Arts and Advanced Studies exceeded the Action Level.

Table 29: Jefferson Elementary School– April 22, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
JES-BLANK	Field Blank	<1.00	No
JES-WC-1FL-GYM-L	Water Fountain	2.41	No
JES-SL-1FL-NURSE-108	Sink	2.37	No
JES-SF-2FL-202	Sink Fountain	<1.00	No
JES-SF-2FL-205	Sink Fountain	<1.00	No
JES-WC-2FL-205L	Water Fountain	<1.00	No
JES-SF-2FL-222	Sink Fountain	<1.00	No
JES-SF-2FL-225	Sink Fountain	<1.00	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none of the outlets within the Jefferson Elementary School exceeded the Action Level.

Table 30: Plainfield High School- April 21, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
PHS-BLANK	Field Blank	<1.00	No
PHS-WC-1FL-128	Water Fountain	13.5	No
PHS-SK3-1FL-149	Sink	9.91	No
PHS-SK4-1FL-149	Sink	<1.00	No
PHS-WF-1FL-173A	Water Fountain	1.41	No
PHS-WC-1FL-185	Water Fountain	68.9	Yes
PHS-WC-1FL-188	Water Fountain	31.2	Yes
PHS-WC-2FL-MT254L	Water Fountain	<1.00	No
PHS-WC-2FL-275R	Water Fountain	1.88	No

#### **Results above action level**

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, two (2) outlets at the Plainfield High School exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service.

Table 31: Clinton Elementary School- April 22, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
CLS-BLANK	Field Blank	<1.00	No
CLS-SF-1FL-101	Sink Fountain	6.64	No
CLS-SF-1FL-103	Sink Fountain	6.70	No
CLS-SF-1FL-104	Sink Fountain	1190	Yes
CLS-SF-2FL-203	Sink Fountain	4840	Yes
CLS-SF-2FL-205	Sink Fountain	14.7	No



#### **Results above action level**

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, two (2) outlets at the Clinton Elementary School exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service.

Table 32: Barlow Elementary School– April 21, 2022

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
BS-BLANK	Field Blank	<1.00	No
BS-STR-1FL-KITCHEN	Sink	1.89	No
BS-SK-1FL-KITCHEN	Sink	3.78	No
BS-WC-1FL-127R	Water Fountain	29.6	Yes
BS-WC-1FL-127	Water Fountain	9.91	No
BS-WC-1FL-162L	Water Fountain	<1.00	No
BS-NS-1FL-NURSE-R	Sink	1.09	No

#### **Results above action level**

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, one (1) outlets at the Barlow Elementary School exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service.