Lead in School Drinking Water Report & Action Plan
Captain Gray STEM Elementary School

The Pasco School District (PSD) prioritizes the health and safety of its students and community. Washington State requires all drinking water fixtures in public schools built, or with all plumbing replaced, before 2016 be tested for lead by June 30, 2026, with retesting at least once every five years thereafter.

To safeguard public health, the U.S. Environmental Protection Agency (EPA) has established standards for lead in drinking water and recommends taking action when concentrations exceed 15 parts per billion (ppb). However, Washington State has adopted a more protective standard for schools, requiring action when lead levels exceed 5 ppb. These thresholds are not indicators of health effects but serve as signals for when work should begin to reduce lead concentrations in drinking water.

PSD has implemented a districtwide water quality testing program to ensure compliance with RCW 28A.210.410. This document provides an overview of the process, results, and corrective actions from the 2024 sampling event.

How the Testing Process Works

STEP 1



An inventory of all water fixtures at the school used for drinking or cooking is taken and reviewed.

STEP 2



Water samples are collected from identified fixtures and sent to an accredited laboratory for testing.

STEP 3



Fixtures with sample results exceeding 5 ppb are removed from service and an action plan developed.

STEP 4



Additional investigation and corrective actions are taken to reduce lead concentration levels.

STEP 5



Fixtures are resampled to determine if they are ready to be returned to service.

Sampling Events & Results

Sampling Date	Sampling Agency	Sampling Event Type	Samples Collected	Samples > 5 ppb	Results Received
01/25/24 - 06/12/24	WA Department of Health	Initial	91	4	02/06/24 - 10/25/24
02/01/24	PBS Engineering & Environmental	Post-Remediation	3	0	02/06/24
02/27/24	PBS Engineering & Environmental	Post-Remediation	2	0	03/08/24

This table will be updated as post-remediation re-sampling events are conducted.

Corrective Action Plan

Fixtures with lead levels above 5 ppb require an action plan, following DOH technical guidance, to reduce levels to 5 ppb or below. Work begins immediately upon receiving results, while formal action plans are prepared, opened for public comment, and adopted by the District's Board of Directors.

Public Comment Period	Plan Adopted by School Board	Plan Last Updated
February 10, 2025 – February 24, 2025	*March 25, 2025*	February 7, 2025

The action plan that follows addresses the following three key components:

1) **Mitigation Measures**: Immediate actions implemented upon receiving elevated lead test results to prevent access to drinking water with lead concentrations exceeding 5 ppb. These temporary or permanent measures may include shutting off the fixture or labeling it as "hand washing only." Fixtures with lead concentrations above 15 ppb must be shut off immediately.
2) **Scheduled Remediation Activities**: Long-term solutions designed to permanently reduce lead concentrations in drinking water to 5 ppb or less. These actions typically include replacing fixtures, pipes, or other sources of lead contamination.
3) **Post-Remediation Sampling:** Information regarding follow-up testing performed after remediation to verify that lead concentrations have been reduced to 5 ppb or less, ensuring the effectiveness of the remediation efforts.

Fixture ID	Location	Fixture Type	Remediation Status
CGSE-066-OF	Staff Workroom	Faucet	Complete

Mitigation Measures: Water shut off and fixture removed from service.

Remediation Plan: Staff report that fixture was rarely, if ever used. Fixture permanently removed from service.

Sampling Activities:

Sampling Date	Sample ID	Purpose of Sampling	Results
01/25/24	370774	Initial Sampling	88 ppb

Remediation Complete – Fixture Permanently Removed from Service

Fixture ID	Location	Fixture Type	Remediation Status
CGSE-011-OF	Library Workroom	Faucet	Complete

Mitigation Measures: Water shut off and fixture removed from service.

Remediation Plan: Fixture was replaced and an in-line water filter added. Fixture remained out of service until post-remediation testing confirmed that lead concentrations were reduced to 5 ppb or less.

Sampling Activities:

Sampling Date	Sample ID	Purpose of Sampling	Results
01/25/24	370403	Initial Sampling	76 ppb
02/01/24	Workroom-013-SF24A	Post-Remediation Sampling	ND*

** ND =Lead Not Detected*

Remediation Complete – Fixture Returned to Service

Fixture ID	Location	Fixture Type	Remediation Status
CGSE-007-KF	Kitchen	Faucet	Complete

Mitigation Measures: Water shut off and fixture removed from service.

Remediation Plan: Fixture was replaced and an in-line water filter added. Fixture remained out of service until post-remediation testing confirmed that lead concentrations were reduced to 5 ppb or less.

Sampling Activities:

Sampling Date	Sample ID	Purpose of Sampling	Results
01/25/24	370544	Initial Sampling	39 ppb
02/01/24	Kitchen-006-KF24A	Post-Remediation Sampling	ND*

** ND =Lead Not Detected*

Remediation Complete – Fixture Returned to Service

Fixture ID	Location	Fixture Type	Remediation Status
CGSE-005-NF	Health Room	Faucet	Complete

Mitigation Measures: Water shut off and fixture removed from service.

Remediation Plan: Fixture was replaced and an in-line water filter added. Fixture remained out of service until post-remediation testing confirmed that lead concentrations were reduced to 5 ppb or less.

Sampling Activities:

Sampling Date	Sample ID	Purpose of Sampling	Results
01/25/24	370776	Initial Sampling	8 ppb
02/27/24	Health-014-NS24A	Post-Remediation Sampling	ND*

** ND =Lead Not Detected*

Remediation Complete – Fixture Returned to Service

FINAL

For additional information about this report, please contact:

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