

Ballard

Phase I: Ballard High School was sampled several times prior to the beginning of the school year. Twenty one drinking fountain samples were taken by the school District 9 of which had lead levels of 50 ppb or greater. Eleven of 21 samples had lead levels of 21 to 49 ppb, and 5 of the samples were 20 ppb or less. based on these 2nd other results, the building plumbing was replaced with copper and pvc pipe prior to Phase II.

Phase II: The second phase of testing included 19 drinking fountains, all of which were tested for first draw lead levels, and flushed samples (20 seconds). In the case of multiple head bubblers, only one flushed sample was taken for the entire fixture since the water is supplied through a single pipe. A flushed sample of the inlet water to the school was also taken. Seventeen of 19 first draw samples were 20 ppb lead or less. Only one flushed sample was above 20 ppb.

Phase II Resample: After the Phase II samples were taken, the galvanized service line to the building was replaced with a copper pipe and the building was resampled. 18 drinking fountains were resampled for first draw lead levels, but only 4 fountains were resampled for flushed lead levels. 15 of 18 first draw samples were 20 ppb lead or less. All of the flushed samples were below 20 ppb.

Conclusions: Phase II and Phase II Resample results are probably representative of the first draw morning lead levels and flushed lead levels found in drinking water at Ballard throughout the school year.

High lead levels in ballard in morning first draw samples during the school year appear to be the result of corrosion from the drinking fountains and the piping connecting the drinking fountains to the building plumbing.

BALLARD

ppb Lead Level	PHASE I	PHASE II		PHASE II RESAMPLE	
	First Draw	First Draw	Flushed	First Draw	Flushed
0-20	5	17	13	15	5
21-49	7	1	1	3	0
50+	9	1	0	0	0
Total Number	21	19	14	18	5

**Lead in Drinking Water
Seattle Public Schools**

School	Sample Location	Fixture Type	Sample Type	Phase I Results (ppb lead)	Phase II Results (ppb lead)	Fixture Replaced	Phase V Results (ppb lead)	Phase VI Results (ppb lead)	Phase VII Results (ppb lead)
Bagley	1	bubbler	first draw				28		
Bagley	2	bubber	first draw				6		
Bagley	3	bubbler	first draw				5		
Bagley	4	bubbler	first draw				5		
Bagley	5	bubbler	first draw				5		
Bagley	6	bubbler	first draw				6		
Bagley	7	bubbler	first draw				5		
Bagley	8	bubbler	first draw				8		
Bagley	9	bubbler	first draw				9		
Bagley	10	bubbler	first draw				5		
Bagley	11	bubbler	first draw				5		
Bagley	12	bubbler	first draw				5		
Bagley	13	bubbler	first draw				5		
Bagley	14	bubbler	first draw				5		
Bagley	15	bubbler	first draw				5		
Bagley	16	bubbler	first draw				5		
Bagley	17	bubbler	first draw				5		
Bagley	19	bubbler	first draw				5		

Phase I, 7/90-8/90
Phase II, 9/90-11/90
Phase V, 9/92-11/92
Phase VI, 1/93 - 2/93
Phase VII, 2001-02

Seattle Public Schools

How to Read Previous Drinking Water Test Results

July 2004

School - Schools are identified by the building name rather than the program name, e.g. Summit K-12 is listed as Addams. Results are provided for buildings that no longer exist or that have since been renovated or relocated (please see footnote for individual schools).

Sample Location - The sample location number correlates with the Fountain ID Number and Location in School from Table 3 of the results of water quality testing currently available on the District web site. Sample location number 99 indicates that the sample was collected at the building inlet.

Fixture Type - The terms bubbler and fountain are used interchangeably.

Sample Type - First draw results are for concentrations measured in the first 250 mL of water from the bubbler that has stood in the piping and fixture for between 8 and 18 hours. Flushed results are from concentrations measured in a 250 mL sample collected after running the bubbler for 30 seconds.

Phase I Results - Phase I included the testing of drinking water from 85 District sites. Samples from 1152 water sources were collected and analyzed for lead during the summer of 1990. Phase I represented a worst case scenario because water at most sites had been standing for several weeks. Phase I was conducted by District personnel. Results are reported in parts per billion (ppb).

Phase II Results - Phase II included the testing of drinking water from 80 District sites. 2700 water samples from more than 1400 bubblers were collected and analyzed for lead from September 1990 through November 1990. Phase II was conducted by Economic and Engineering Services, Inc.

Note: Phase III and Phase IV did not include testing. Phase III was to identify bubblers with the lowest lead content and Phase IV was to replace all bubblers that had lead levels at or above 20 ppb.

Phase V Results - Between September 1992 and December 1992 follow-up sampling and analysis was conducted on all the replaced bubblers. Additional sampling was conducted on bubblers where Phase II analysis revealed levels between 15-20 ppb lead. Samples were also taken at new and renovated schools where no Phase II testing was done. A total of 633 samples were taken.

Phase VI Results - Phase VI was conducted between January 1993 and February 1993.

Phase VII Results - Water samples collected by District personnel between 2001 and 2002.