

Boren

Phase I: Sixteen drinking fountains were sampled for first draw lead levels in the first phase of the testing program. Two of the 16 had lead levels between 20 and 50 ppb, but none were more than 50 ppb.

Phase II: The second phase of testing included 13 fountains tested both for first drawn and flushed lead levels. A flushed sample of the inlet water into the school was also taken. All 13 first draw samples were 20 ppb lead or less. Twelve of 13 flushed samples were 20 ppb lead or less, and one flushed sample was between 20 and 50 ppb lead. The inlet water measured well below 20 ppb lead.

Follow-up: No follow up samples were taken.

Conclusions: The Phase I results were probably deceptively high because of lack of use during the summer period when the samples were taken. Phase II results are probably representative of the first draw morning lead levels and the flushed lead levels found throughout the school year.

Only one fountain sampled has a relatively high lead level. The others sampled all had very low levels, at or below analytical detection levels. The higher lead levels in one fountain appear to be the result of corrosion from the drinking fountain and the piping connecting the fountain to the building plumbing.

BOREN

ppb Lead Level	PHASE I	PHASE II		FOLLOW-UP
	First Draw	First Draw	Flushed	Flushed
0-20	14	13	12	0
21-49	2	0	1	0
50+	0	0	0	0
Total Number	16	13	13	0

**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)
Boren	2	bubbler	first draw		1				
Boren	2	bubbler	flushed		1				
Boren	3	bubbler	first draw	10	1				
Boren	3	bubbler	flushed		1				
Boren	4	bubbler	first draw	13	1				
Boren	4	bubbler	flushed		1				
Boren	6	bubbler	first draw	14	2				
Boren	6	bubbler	flushed		1				
Boren	7	bubbler	first draw	20	1				
Boren	7	bubbler	flushed		1				
Boren	8	bubbler	first draw	10	1				
Boren	8	bubbler	flushed		1				
Boren	9	bubbler	first draw	10	1				
Boren	9	bubbler	flushed		1				
Boren	10	bubbler	first draw	10	1				
Boren	10	bubbler	flushed		1				
Boren	11	bubbler	first draw	10	1				
Boren	11	bubbler	flushed		1				
Boren	13	bubbler	first draw	10	11				
Boren	13	bubbler	flushed		6				
Boren	14	bubbler	first draw		6				
Boren	15	bubbler	first draw	22	14	yes	19		
Boren	15	bubbler	flushed		35				
Boren	16	bubbler	first draw	10	3				
Boren	16	bubbler	flushed		1				
Boren	99	faucet	flushed		1				

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.