



STATE OF WASHINGTON

DEPARTMENT OF HEALTH

OFFICE OF ENVIRONMENTAL PUBLIC HEALTH SCIENCES
243 Israel Road SE • PO Box 47825 • Olympia, Washington 98504-7825
TDD Relay Service: 1-800-833-6388

February 26, 2018

Mr. Tom Martin
Facilities Manager
Toledo Elementary School
311 South 6th Street
Toledo, Washington 98591

Dear Mr. Martin:

Thank you for helping us implement the governor's directive on lead and improve the health and safety of children in Washington.

On **February 13, 2018**, water samples were collected from **fifty- one** drinking water fixtures at Toledo Elementary School and tested for lead. **Four** fixtures had lead in amounts above the Environmental Protection Agency action level of 20 parts per billion (ppb). This means that children should not drink from these fixtures. The test results from your school are attached.

Children are exposed to lead from a variety of sources in their environments. Exposure sources include dust from old, deteriorating lead paint, contaminated soil, take-home exposures from parents who work in certain industries, and many others. Each of these sources contributes to the amount of lead in the bodies of children.

It is important to reduce exposure from every source as much as possible. There were **thirty eight** fixtures in your school that were below the EPA action level, but still had measurable amounts of lead. The attached recommendations can help you reduce the amount of lead in your school's drinking water as much as possible.

What to do next:

1. **Communicate** with staff, students, parents and the community about water test results and any actions you are taking in response. Please note: we will post results on the DOH website, no sooner than one month from the date of this letter.
 - a. We have included a template letter that can be customized to communicate to parents and your school community.
 - b. We suggest making the results available on your district website and through your office.

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2. **Address** the sources of lead in the drinking water at your school. To assist you we have included the "Guidelines for Responding to Lead Test Results" matrix and a list of recommended actions. *There are resources in the capital facilities budget set aside for remediation. Please contact Nancy Johns with the Office of the Superintendent of Public Instruction at 360-725-4973 or email at nancy.johns@k12.wa.us for further information.*
3. **Notify** us if your school district cannot immediately address issues identified by these results. Please describe interim measures that will be taken to provide safe drinking water and any plans for remediation. This information should also be provided to staff and your community.

How were the samples taken and analyzed?

Cold water samples were collected from every tap used by students for drinking or used to prepare food for students. These were "first draw" samples, in which the water is allowed to sit in the plumbing system for 8 to 18 hours before the sample is collected. Samples were analyzed by our Public Health Laboratory using EPA method 200.8.

If you have questions regarding test results, or need additional information please contact me at 360.236.3248, or e-mail at annemarie.charles@doh.wa.gov.

Sincerely,



Anne Marie Charles
School Lead in Drinking Water Coordinator

Recommended Actions:

In order to assist you we are including the information below to help you reduce lead in your drinking water. If you need further technical assistance please contact DOH.

For each fixture with lead results over the 20 ppb EPA action level for schools, we recommend that you:

- Take the fixture out of service or make it inaccessible to students and staff
- Take flush samples to determine where the lead is coming from (the fixture or plumbing system).
- Replace fixtures with certified lead-free fixtures or remove the fixtures permanently if they are not needed. You can provide bottled water to students and staff on an interim basis while you are replacing fixtures if necessary.
- If you plan to replace fixtures, contact DOH to discuss the steps you can take to ensure the water is safe to drink before returning it to use.

For each fixture with lead results between 10 and 19 ppb we recommend that you choose one or more of the following:

- Replace fixtures with certified lead-free fixtures or remove the fixtures permanently if they are not needed. You can provide bottled water to students and staff on an interim basis while you are replacing fixtures if necessary.
- Implement a flushing program to help reduce lead levels that may increase while fixtures are not in use.
- Clean aerators regularly to remove particulates that may contain lead.
- Install a National Sanitation Foundation (NSF) certified filter to remove lead and replace it as recommended by the manufacturer.
- Permanently convert these fixtures to hand wash only stations. An example of a hand wash only graphic is available [here](#).
- Remove the fixture permanently.

For each fixture with lead results between 2 and 9 ppb we recommend that you:

- Implement a flushing program to help reduce lead levels that may increase while fixtures are not in use.
- Clean aerators regularly to remove particulates that may contain lead.

Pb Guidance for Responding to Lead Test Results



Office of Environmental Public Health Sciences
 Washington State Department of Health
 243 Israel Road SE, Tumwater WA 98501

Sample Collector Information		School Information	
Number of samples collected:	51	School ID:	
Date Collected:	2/13/2018	School Address:	311 S 6th Street
Date sent to state lab:	2/13/2018	City:	Toledo
Date received by Lab:	2/21/2018	County:	Lewis
Shipment Tracking Number:		State:	WA
Name of Sampler	Nick Schenck	Zip:	98591
		School Name:	Toledo Elementary School
		School Point of Contact:	Tom Martin
		Title of POC:	Facilities Manager
		POC Phone Number	360-880-3785

Sample Information							
Sample Number	Sample ID	Sample Type	Fixture Description	Fixture Location	Results (ppb)	Date of Analysis	Notes/comments
Sample 1	1622	First Draw	Tap	Kitchen	3	02/22//2018	Ceramic sink nearest entryway
Sample 2	1623	First Draw	Tap	Kitchen	6	02/22/12018	Ceramic sink in back of kitchen
Sample 3	1624	First Draw	Tap	Kitchen	2	2/22/2018	Tap near walk-in fridge
Sample 4	1625	First Draw	Bubbler	Commons/ Cafeteria	<1	2/22/2018	Lower left bubbler
Sample 5	1626	First Draw	Bubbler	Commons/ Cafeteria	1	2/22/2018	Higher right bubbler
Sample 6	1627	First Draw	Bubbler	Near Office	<1	2/22/2018	Higher Left
Sample 7	1628	First Draw	Bubbler	Near Office	<1	2/22/2018	Lower Right
Sample 8	1629	First Draw	Bottle Filler	Near Office	<1	2/22/2018	
Sample 9	1630	First Draw	Bubbler	Rm. 12	3	2/22/2018	
Sample 10	1631	First Draw	Tap	Rm. 12	4	2/22/2018	
Sample 11	1632	First Draw	Bubbler	Rm. 14	5	2/22/2018	
Sample 12	1633	First Draw	Tap	Rm. 14	8	2/22/2018	
Sample 13	1634	First Draw	Bubbler	Rm. 16	3	2/22/2018	
Sample 14	1635	First Draw	Tap	Rm. 16	2	2/22/2018	

Sample 15	1636	First Draw	Bubbler	Rm. 18	TB	02/23/2018	
Sample 16	1637	First Draw	Tap	Rm. 18	27	02/23/2018	
Sample 17	1638	First Draw	Bubbler	Rm. 17	7	02/23/2018	
Sample 18	1639	First Draw	Tap	Rm. 17	14	02/23/2018	
Sample 19	1640	First Draw	Bubbler	Rm. 15	4	02/23/2018	
Sample 20	1641	First Draw	Tap	Rm. 15	24	02/23/2018	
Sample 21	1642	First Draw	Bubbler	Rm. 13	5	02/23/2018	
Sample 22	1643	First Draw	Tap	Rm. 13	4	02/23/2018	
Sample 23	1644	First Draw	Bubbler	Rm. 11	3	02/23/2018	
Sample 24	1645	First Draw	Tap	Rm. 11	13	2/23/2018	
Sample 25	1646	First Draw	Tap	Library	3	02/22/2018	
Sample 26	1647	First Draw	Bubbler	Rm. 24	11	02/22/2018	
Sample 27	1648	First Draw	Tap	Rm. 24	8	02/22/2018	
Sample 28	1649	First Draw	Bubbler	Rm. 26	3	02/22/2018	
Sample 29	1650	First Draw	Tap	Rm. 26	8	02/22/2018	
Sample 30	1651	First Draw	Bubbler	Rm. 28	3	02/22/2018	
Sample 31	1652	First Draw	Tap	Rm. 28	10	02/22/2018	
Sample 32	1653	First Draw	Bubbler	Rm. 27	5	02/22/2018	
Sample 33	1654	First Draw	Tap	Rm. 27	19	02/22/2018	
Sample 34	1655	First Draw	Bubbler	Rm. 25	2	02/22/2018	
Sample 35	1656	First Draw	Tap	Rm. 25	16	02/22/2018	
Sample 36	1657	First Draw	Bubbler	Rm. 23	3	02/22/2018	
Sample 37	1658	First Draw	Tap	Rm. 23	25	02/22/2018	Lower Function
Sample 38	1659	First Draw	Bubbler	Rm. 21	30	02/22/2018	
Sample 39	1660	First Draw	Tap	Rm. 21	19	02/22/2018	
Sample 40	1661	First Draw	Bubbler	Gym	1	02/22/2018	Lower Left

Sample 41	1662	First Draw	Bubbler	Gym	<1	02/22/2018	Higher Right
Sample 42	1663	First Draw	Bubbler	Rm. 38	3	02/22/2018	
Sample 43	1664	First Draw	Tap	Rm. 38	8	02/22/2018	
Sample 44	1665	First Draw	Bubbler	Rm. 36	<1	02/22/2018	
Sample 45	1666	First Draw	Tap	Rm. 36	1	02/22/2018	
Sample 46	1667	First Draw	Bubbler	Rm. 34	7	02/22/2018	
Sample 47	1668	First Draw	Tap	Rm. 34	10	02/22/2018	
Sample 48	1669	First Draw	Bubbler	TLC/BD	7	02/22/2018	
Sample 49	1670	First Draw	Tap	TLC/BD	3	02/22/2018	
Sample 50	1671	First Draw	Bubbler	Special Ed.	2	02/22/2018	
Sample 51	1672	First Draw	Tap	Special Ed.	5	2/22/2018	

Office of Environmental Public Health Sciences
 Washington State Department of Health
 243 Israel Road SE, Tumwater WA 98501

Sample Collector Information		School Information	
Number of samples collected:	23	School ID:	
Date Collected:	2/14/2018	School Address:	155 N 5th Street
Date sent to the lab		City:	Toledo
Date received by the lab:	2/14/2018	County:	Lewis
Shipment Tracking Number		State:	WA
Name of Sampler	Nick Schenck	Zip:	98591
		School Name:	Toldeo Middle School
		School Point of Contact:	Tom Martin
		Title of POC:	Facilities Manager
		POC Phone Number	360-880-3785

Sample Information							
Sample Number	Sample ID	Sample Type	Fixture Description	Fixture Location	Results (ppb)	Date of Analysis	Notes/comments
Sample 1	1673	First Draw	Tap	Kitchen	5	02/21/2018	
Sample 2	1674	First Draw	Bubbler	Rm. 202	20	02/21/2018	
Sample 3	1675	First Draw	Tap	Rm. 202	13	02/21/2018	
Sample 4	1676	First Draw	Bubbler	Next to Rm. 203	<1	02/21/2018	
Sample 5	1677	First Draw	Bubbler	Rm. 203	7	02/21/2018	
Sample 6	1678	First Draw	Tap	Rm. 203	4	02/21/2018	
Sample 7	1679	First Draw	Bubbler	Rm. 204	4	02/21/2018	
Sample 8	1680	First Draw	Tap	Rm. 204	3	02/21/2018	
Sample 9	1681	First Draw	Bubbler	Rm. 205	6	02/21/2018	
Sample 10	1682	First Draw	Tap	Rm. 205	14	02/21/2018	
Sample 11	1683	First Draw	Tap	Rm. 206	15	02/21/2018	
Sample 12	1684	First Draw	Tap	Rm. 206	21	02/21/2018	
Sample 13	1685	First Draw	Tap	Rm. 206	2	02/21/2018	
Sample 14	1686	First Draw	Bubbler	Next to Rm. 206	<1	02/21/2018	
Sample 15	1687	First Draw	Bubbler	Gym	1	02/21/2018	
Sample 16	1688	First Draw	Bubbler	Rm. 101	2	02/21/2018	

Sample 17	1689	First Draw	Tap	Rm. 101	5	02/21/2018	
Sample 18	1690	First Draw	Bubbler	Rm. 102	6	02/21/2018	
Sample 19	1691	First Draw	Tap	Rm. 102	4	02/21/2018	
Sample 20	1692	First Draw	Bubbler	Next to Rm. 103	1	02/21/2018	
Sample 21	1693	First Draw	Bubbler	Boy's Locker Room	<1	02/21/2018	
Sample 22	1694	First Draw	Bubbler	Building 2/Life Skills	4	02/21/2018	
Sample 23	1695	First Draw	Tap	"The Apartment"	4	02/21/2018	

Office of Environmental Public Health Sciences

Washington State Department of Health
243 Israel Road SE, Tumwater WA 98501

Sample Collection Information

Number of Samples collected:	10	School ID:		School Name:	
Date Collected:	2/14/2018	School Address:	1242 State Route 505		Toledo High
Date sent to State Lab:	2/14/2018	City:	Toledo	School Point of Contact:	Tom Martin
Date Received by Lab:	2/15/2018	County:	Lewis	Title of POC:	Facilities Manager
Shipment Tracking Number:		State:	WA	Email of POC:	tmartin@toledoschools.us
Name of Sample:	Nick Schenck	Zip:	98591	POC Phone Number:	360 8803785

Sample Information

Sample No	Program ID (See label)	Sample Type	Fixture Description	Fixture Location	Lead results (ppb)	Date of Analysis	Notes/comments
Sample Number	Sample ID	Sample Type	Fixture Description	Fixture Location	Results (ppb)	Date of Analysis	Notes/comments
Sample 1	1696	First Draw	Tap	Kitchen	7	2/17/2018	Tap to Right of Dish Washing Machine
Sample 2	1697	First Draw	Bubbler	Commons	4	2/17/2018	Next to Award Plaques
Sample 3	1698	First Draw	Bottle Filler	Commons	5	2/17/2018	Next to Award Plaques
Sample 4	1699	First Draw	Bubbler	Gym	4	2/17/2018	
Sample 5	1700	First Draw	Bubbler	Near Counselor's Room	9	2/17/2018	
Sample 6	1701	First Draw	Tap	Home Economics	12	2/17/2018	Left Most, Nearest door
Sample 7	1702	First Draw	Tap	Home Economics	12	2/17/2018	2nd From Door
Sample 8	1703	First Draw	Tap	Home Economics	18	2/17/2018	3rd, In corner
Sample 9	1704	First Draw	Tap	Home Economics	64	2/17/2018	4th from door
Sample 10	1705	First Draw	Tap	Home Economics	63	2/17/2018	Furthest from Door