

**NOTICE TO WATER SYSTEM USERS  
DISINFECTION BYPRODUCTS MONITORING and TREATMENT VIOLATION**

**DISINFECTION BYPRODUCTS MONITORING**

We, South Bay Elementary Water System, I.D. 81465, located in Thurston County are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. In the year of 2016 we did not monitor or test for  Total Trihalomethanes or  Haloacetic Acids and therefore cannot be sure of the quality of your drinking water during that time. However these samples were taken in 2015 and 2017, please see results below.

Disinfectant By-products	MCL	MCLG	Your Water System	Sample Date	Violation	Typical Source of Contamination
<b>TTHM's (ppb)</b> <i>Total trihalomethanes</i>	80	N/A	<b>0.4,</b> <b>ND</b>	2015 2017	No	<b>By-product of chlorination</b>
<b>HAA5's (ppb)</b> <i>Total HAA5's</i>	60	N/A	<b>ND</b> <b>ND</b>	2015 2017	No	

*Terms and Abbreviations used above:*

- **Maximum Contaminant Level Goal (MCLG):** the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Maximum Contaminant Level (MCL):** the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- **Action Level (AL):** the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **ppm:** parts per million or milligrams per liter    **ppb:** parts per billion    **N/A:** not available
- **ND:** None Detected

At this time:

**No action is required by the users and these annual samples will be collected in the future as required.**

For more information, contact Kim Gubbe, Director of Planning and Compliance, Thurston PUD at (360)357-8783 ext. 125 or at kgubbe@thurstonpud.org.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses.) You can do this by posting this notice in a public place or distributing copies by hand or mail

This notice is sent to you by Thurston PUD on 6/18/2018

**NOTICE TO WATER SYSTEM USERS  
COPPER TREATMENT TECHNIQUE VIOLATION**

The South Bay Elementary Water System, I.D. 81465, located in Thurston County recently had a Treatment Technique Violation for copper in drinking water. Although this is not an emergency, as our customers, you have a right to know what happened, what you should do, and what we are doing to correct this situation.

2016 tests for lead and copper at classroom sinks have shown elevated levels of copper above the EPA's "action level" of 1.3 parts per million (ppm) at 1.5 ppm. We have determined that the corrosion control treatment for our water system may not have been operating adequately. The treatment was adjusted and two more rounds of samples were taken in 2017 with all good results, please see results below.

Lead and Copper	AL	MCLG	Your Water System	Sample Date	Violation	Typical Source of Contaminant
Copper (ppm)	1.3	1.3	0.60	2017	No	Corrosion of distribution plumbing system
Lead (ppb)	15	0	6	2017	No	

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- **Action Level (AL):** the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **ppm:** parts per million or milligrams per liter    **ppb:** parts per billion    **N/A:** not available
- **ND:** None Detected

You do not need to boil your water. Copper in drinking water usually comes from water distribution lines or household plumbing rather than lakes, wells or streams. Running cold water from the tap for 15-30 seconds, or until the temperature changes, can reduce the copper that accumulates when the plumbing is not in use. North Thurston School District has created and implemented a flushing plan for the entire school, which moves water through the buildings to help with the treatment and not allowing the water to sit in the pipes for long periods of time.

Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

What specifically happened? Treatment was not adequate to raise the pH to the levels needed and water was sitting in the pipes for too long allowing for higher levels of copper at 1.5 ppm.

At this time:

\* The problem is resolved. Operation and maintenance of corrosion control treatment has been adequately restored. North Thurston School District has created and implemented a plan to test the water daily to make sure that treatment levels are where they should be to treat properly.

For more information, contact Kim Gubbe, Director of Planning and Compliance, Thurston PUD at (360)357-8783 ext. 125 or at [kgubbe@thurstonpud.org](mailto:kgubbe@thurstonpud.org).

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