



WILLINGBORO PUBLIC SCHOOLS
 WILLINGBORO, NEW JERSEY 08046-2847

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-FLUSH RESULTS-

August 16, 2017

Dear Willingboro Family,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, Willingboro School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, Garfield East Elementary will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 µg/l (parts per billion [ppb]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

Results of our Testing

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within Willingboro School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 75 samples taken, all but 15 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 µg/l for lead, the actual lead level, and what temporary remedial action Willingboro School District has taken to reduce the levels of lead at these locations.

Sample Location Sample ID/Field ID	Source	First Draw Result in µg/l (ppb)	Second Draw Flush Result in µg/l (ppb)	Remedial Action
Boiler Room L6772663-1 GEE-BRS-1	Sink	42.2	No Flush Test	Post sign "For handwashing only". Adequate water resources available.

Sample Location Sample ID /Field ID	Source	First Draw Result in µg/l (ppb)	Second Draw Flush Result in µg/l (ppb)	Remedial Action
Teachers' Lounge L6772663-8 GEE-TL-6	Sink	338	.464	Post sign "For handwashing only".
Teachers' Lounge L6772663-9 GEE-DWB-7	Drinking Water Bubbler	235	9.44	Institute flush policy.
Room 8 L6772663-20 GEE-CRS-18	Sink	49.7	.768	Post sign "For handwashing only".
Room 1 L6772663-30 GEE-CRS-28	Sink	396	1.71	Post sign "For handwashing only".
Room 1 L6772663-31 GEE-DWB-29	Drinking Water Bubbler	493	3.03	Institute flush policy.
Room 2 L6772663-32 GEE-CRS-30	Sink	15.8	5.11	Post sign "For handwashing only".
Library L6772663-36 GEE-LS-34	Sink	16.1	1.90	Post sign "For handwashing only".

Sample Location Sample ID /Field ID	Source	First Draw Result in µg/l (ppb)	Second Draw Flush Result in µg/l (ppb)	Remedial Action
Library L6772663-37 GEE-L-DWB-35	Drinking Water Bubbler	16.1	3.88	Institute flush policy.
Room 26 L6772663-40 GEE-CRS-38	Sink	21.6	.757	Post sign "For handwashing only".
Room 23 L6772663-42 GEE-CRS-40	Sink	15.3	1.50	Post sign "For handwashing only".
Room 29 L6772663-52 GEE-CRS-50	Sink	15.2	1.36	Post sign "For handwashing only".
Room 34 L6772663-56 GEE-CRS-54	Sink	19.4	7.96	Post sign "For handwashing only".
Room 20 L6772663-69 GEE-CRS-67	Sink	29.2	.621	Post sign "For handwashing only".
Janitors Office L6772663-76 GEE-JS-A	Sink	26.9	.595	Post sign "For handwashing only".

Sample Location Codes

KC = Kitchen Outlet, Cold
CT= Cafeteria Outlet
FP= Food Preparation Sink
TL= Teacher Lounge Sink
NS = Nurse's Office Sink
EC = Home Economics Outlet, Cold
DWB= Drinking Water Bubbler
WC = Water Cooler (Chiller Unit)

IM = Ice Machine
C = Clinic
DW = Dish Washing Area
CRS = Class Room Sink
LS = Library Sink
L = Library
APO = Assistant Principal's Office
BRS = Boiler Room Sink

Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at www.willingboroschools.org. For more information about water quality in our schools, contact Orlando L. Chandler at the Willingboro Facilities Department, 609-835-8786 Ext. 7501.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at www.epa.gov/lead, call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Yours in education,

A handwritten signature in black ink, appearing to read 'RTaylor', with a long horizontal flourish extending to the right.

Dr. Ronald G. Taylor
Superintendent of Schools