



# Lakeland Regional High School

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HUGH E. BEATTIE  
SUPERINTENDENT

March 21, 2017

Dear Lakeland Community,

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, Lakeland Regional HS tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, Lakeland 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 Lakeland Regional HS. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 56 samples taken, all but 17 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 Lakeland Regional HS has taken to reduce the levels of lead at these locations. **Please note that Lakeland had taken proactive steps before testing and replaced eight (8) of our older water coolers with new, state-of-the-art water coolers. All those new coolers tested as "ND" lead Not Detected. We will be replacing all the remaining water coolers with this newer model before re-testing.**

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Water Cooler Outside Physics Rm 511	19	Disconnected. To be replaced with NEW water

ID # 745370		Cooler before retesting.
Water Cooler Outside Chem Rm 510 ID # 745371	18	Disconnected To be replaced with NEW water Cooler before retesting.
Water Cooler Faculty Rm Hall ID # 745376	20	Disconnected To be replaced with NEW water Cooler before retesting.
Water Cooler Boys' Locker Room ID # 745379	23	Disconnected To be replaced with NEW water Cooler before retesting.
Water Cooler Hockey Closet ID # 745384	18	Disconnected Cooler already replaced but must be re-tested.
Water Cooler Class Room 403 Hallway ID # 745396	18	Disconnected To be replaced with NEW water Cooler before retesting.
Spigot Trainer's Room ID # 745383	27	Disconnected In-line filter to be installed.
Sink Library back office ID # 745375	21	<b>Non-Drinking Sign Posted</b> Faucet to be replaced then re-tested.
Foods Room West Building ID # 745392	36	<b>Non-Drinking Sign Posted</b> Faucet to be replaced then re-tested. 3 other GOOD sinks in room.
Foods Room West Building ID # 745393	17	<b>Non-Drinking Sign Posted</b> Faucet to be replaced then re-tested. 3 other GOOD sinks in room.
Foods Room East Building ID # 745359	20	<b>Non-Drinking Sign Posted</b> Faucet to be replaced then re-tested. 5 other GOOD sinks in room.
Nurse's Office West Building ID # 745386	30	<b>Non-Drinking Sign Posted</b> Bottled water to be used for drinking water until faucets are replaced and re-tested.
Nurse's Office West Building ID # 745387	17	<b>Non-Drinking Sign Posted</b> Bottled water to be used for drinking water until faucets are replaced and re-tested.
Nurse's Office West Building ID # 745388	37	<b>Non-Drinking Sign Posted</b> Bottled water to be used for drinking water until faucets are replaced and re-tested.

Cafeteria East Building ID # 745347	97	<b>Non-Drinking Sign Posted</b> Faucet to be replaced then re-tested. 2 other GOOD sinks in room.
Cafeteria East Building ID # 745348	40	<b>Non-Drinking Sign Posted</b> Faucet to be replaced then re-tested. 2 other GOOD sinks in room.
Cafeteria East Building ID # 745351	110	<b>Non-Drinking Sign Posted</b> Faucet to be replaced then re-tested. 2 other GOOD sinks in room.

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 <http://www.lakeland.k12.nj.us>. For more information about water quality in our schools, contact William Grimes, Facilities Coordinator, at the Lakeland Regional HS, 973-835-1900 x519.

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](http://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.

Sincerely,

Hugh Beattie  
Superintendent of Schools