

East Brunswick Public Schools

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Frost Elementary School, 65 Frost Avenue, East Brunswick, NJ 08816

Dear Frost School Community,

The East Brunswick Public School District is committed to protecting the health of students, employees, and community members who visit our schools. The District has complied with the testing requirements for lead in school drinking water.

In accordance with New Jersey Department of Education regulations, the District will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 parts per billion (ppb). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. Accordingly, all sources found to contain action levels have been taken out of service.

Testing Results

Pursuant to instructions given in the New Jersey Department of Environmental Protection's technical guidance, the District completed a plumbing profile for each of the buildings within East Brunswick Public School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the **twenty-eight (28)** samples taken, all but **two (2)** tested at or above the lead action level of 15 ppb established by the U.S. Environmental Protection Agency (EPA) for lead in drinking water.

The table below identifies the drinking water outlets that tested greater than the 15 ppb for lead, the actual lead level, and the temporary remedial action the District has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
44-FR-1108-01 Kitchen Food Prep Sink	16.2	Remediate (i.e., change fixture) & Resample
44-FR-1108-03 Kitchen Dish Washer Sink (Right)	17.7	Designate "Hand Wash Only" (i.e., Appropriate signage has been installed).

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.

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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

The test results are available on the District website at www.ebnet.org through the "Lead in Water Testing Results" quick link located on the left side of the web page.

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 truly,

Gerald A. Schenck, Jr.

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C: NJDOE, Middlesex County Executive Superintendent of Schools
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