

July 11, 2017

Sypek Center
 129 Bull Run Road
 Pennington, NJ 08540

Dear Sypek Center 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, Mercer County Technical School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, Sypek Center 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 Mercer County Technical School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 37 samples taken, all but 3 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 Mercer County Technical School District has taken to reduce the levels of lead at these locations.

Sypek Center
First Draw Result in µg/l (ppb)
Remedial Action

Sample Location	First Draw Result	Remedial Action
SYP-74 Kitchen Food Prep	25.8 ppb	Sink shut off, disconnected and signage posted.
SYP-73 Kitchen	38.9 ppb	Sink shut off, disconnected and signage posted.
SYP-76 Kitchen	32.9 ppb	Sink shut off, disconnected and signage posted.

Sypek Center
2nd Draw/Flush Result in µg/l (ppb)
Remedial Action

Sample Location	2nd Draw Result	Remedial Action
SYP-74 Kitchen Food Prep	8.0 ppb	Sink clear returned to service.
SYP-73 Kitchen	28.0 ppb	Sink shut off, disconnected and signage posted.
SYP-76 Kitchen	3.5 ppb	Sink clear returned to service.

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 are available on our website www.mcts.edu and also in our Buildings & Grounds Office for inspection by the public, including students, teachers, other school personnel, and parents between the hours of 8:30 a.m. and 4:00 p.m. For more information about water quality in our schools, contact Frederick J. Hillman, CEFM at the Buildings & Grounds, at rhillman@mcts.edu or 609-586-2129 x 1210.

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.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kimberly J. Schneider". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Kimberly J. Schneider, Ed.D.
Superintendent

KJS/rh