Manasquan Public Schools

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Manasquan School District
169 Broad Street
Manasquan NJ, 08736

Dear Manasquan School District 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, Manasquan School District tested our schools' drinking water for lead.

Due to the age and infrastructure of our buildings we anticipated having a problem and we are fortunate that it is isolated; being proactive, a water cooler plan was developed and put in place and the affected classrooms have already been addressed.

In accordance with the Department of Education regulations, the Manasquan School District 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 OR DO NOT USE" sign will be posted.

Results of our Testing (Initial and Remedial)

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 the district. Through this effort, we identified and tested all drinking water and food preparation outlets.

Initial Testing
Results of the initial testing are indicated in the column marked "A".
Of the 2 samples taken in the Industrial Arts Building, all tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

Of the 2 samples taken in the Board of Education Office, all tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

Of the 60 samples taken in the Elementary School, all but 8 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

Of the 97 samples taken in the High School, all but 31 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

Action taken after the initial testing is outlined in the Remedial Action column in black font.

Remedial Testing

The results of the remedial samples are indicated in the columns marked “B” and ”C”. Please note, of the locations retested, all fall below the 15 µg/l in the second and final draw. The areas marked with N/A were not retested as these rooms are the science labs in the High School that will be demolished and renovated under our referendum building project. Elementary Room 202B marked with an asterisk (*) was not retested. The faucet was removed because there were two other operational faucets in the same sink. The third removed faucet will remain non-operational. Elementary Room 203 (Art Room) marked with a double asterisk (**) was not retested because the outlet was a bubbler that was not being used. The bubbler was disconnected.

Action that will be taken after the remedial testing is outlined in the Remedial Action column in blue font. It is anticipated that this work will be completed over the summer.

Sample Location	**A** **First Draw Result in µg/l (ppb)**	**B** **Remedial First Draw Result in µg/l (ppb)**	**C** **Remedial Second Draw Result in µg/l (ppb)**	**Remedial Action** **Key:** **Black font – original remedial action** **Blue font- final remedial action**
Elementary Classroom 102 ID # MES-01-102-CF-P	32.6	6.6	<2	Disconnected outlet and water cooler provided. Sign posted stating “DO NOT DRINK” Faucet and plumbing to wall will be removed and replaced.
Elementary K-4 Cafeteria Food Preparation Sink ID# MES-01-K-4 KIT-FP2-P	90	84.4	3.7	Disconnected outlet. Posted signage “DO NOT USE” Faucet and plumbing to wall will be removed and replaced.
Elementary Classroom 202B ID# MES- 01-202B-CF1-P	447	*	*	Disconnected outlet and water cooler provided. Sign posted stating “DO NOT DRINK”
Elementary Classroom 204 ID#MES-01-204-CF1-P	130	15	3.3	Disconnected outlet and water cooler provided. Sign posted stating “DO NOT DRINK” Faucet and plumbing to wall will be removed and replaced.
Elementary Classroom 205 ID # MES-01-205-CF6-P	43.5	848	4.2	Disconnected outlet and water cooler provided. Sign posted stating ”DO NOT DRINK” Faucet and plumbing to wall will be removed and replaced.

Elementary Classroom 205 ID # MES-01-205-CF7-P	44.1	56	4.9	Disconnected outlet and water cooler provided. Sign posted stating "DO NOT DRINK" Faucet and plumbing to wall will be removed and replaced.
Elementary Classroom 205 ID # MES-01-205-CF8-P	37.3	186	14.1	Disconnected outlet and water cooler provided. Sign posted stating "DO NOT DRINK" Faucet and plumbing to wall will be removed and replaced.
Elementary Classroom 203 ID # MES-01-203-DW-P	25.4	**	**	Disconnected outlet and water cooler provided. Sign posted stating "DO NOT DRINK"
High School Classroom 301 ID# MHS-01-301-CF1-P	32.3	N/A	N/A	Disconnected outlet and sign posted stating "DO NOT DRINK" Water cooler will be provided.
High School Classroom 301 ID# MHS-01-301-CF8-P	111	N/A	N/A	Disconnected outlet and sign posted stating "DO NOT DRINK"
High School Classroom 301 ID# MHS-01-301-CF9-P	145	N/A	N/A	Disconnected outlet and sign posted stating "DO NOT DRINK"
High School Classroom 301 ID# MHS-01-301-CF10-P	138	N/A	N/A	Disconnected outlet and sign posted stating "DO NOT DRINK"
High School Classroom 301 ID# MHS-01-301-CF11-P	143	N/A	N/A	Disconnected outlet and sign posted stating "DO NOT DRINK"

High School Classroom 301 ID# MHS-01-301-CF12-P	53.7	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”
High School Classroom 304 ID# MHS-01-304-CF1-P	43.3	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK” Water cooler will be provided.
High School Classroom 304 ID# MHS-01-304-CF8-P	53.2	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”
High School Classroom 304 ID# MHS-01-304-CF9-P	26.6	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”
High School Classroom 304 ID# MHS-01-304-CF10-P	30.5	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”
High School Classroom 304 ID# MHS-01-304-CF16-P	21	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”
High School Classroom 306 ID# MHS-01-306-CF3-P	23.2	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK” Water cooler will be provided.
High School Classroom 306 ID# MHS-01-306-CF7-P	63.7	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”
High School Classroom 306 ID# MHS-01-306-CF8-P	144	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”

High School Classroom 306 ID# MHS-01-306-CF9-P	466	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”
High School Classroom 306 ID# MHS-01-306-CF13-P	18.8	N/A	N/A	Disconnected outlet and sign posted stating “DO NOT DRINK”
High School OUTSIDE BATHROOM ID# MHS-00-OUTSIDE BR-BF3-P	60.1	486	9.2	Disconnected outlet and sign posted stating “DO NOT DRINK” Faucet and plumbing to wall will be removed and replaced.
High School OUTSIDE BATHROOM ID# MHS-00-OUTSIDE GR-BF1-P	33.7	64	>2	Disconnected outlet and sign posted stating “DO NOT DRINK” Faucet and plumbing to wall will be removed and replaced.
High School OUTSIDE BATHROOM ID# MHS-00-OUTSIDE GR-BF2-P	59.5	46.6	3.3	Disconnected outlet and sign posted stating “DO NOT DRINK” Faucet and plumbing to wall will be removed and replaced.
High School OUTSIDE BATHROOM ID# MHS-00-OUTSIDE GR-BF3-P	31.4	17.7	>2	Disconnected outlet and sign posted stating “DO NOT DRINK” Faucet and plumbing to wall will be removed and replaced.
High School TRAINING OFFICE ID# MHS-01-TRAINER-HB-P	77.9	>2	>2	Disconnected outlet and sign posted stating “DO NOT DRINK”. Water cooler will be provided. Faucet and plumbing to wall will be removed and replaced.
High School TRAINING OFFICE ID# MHS-01-TRAINER-CF-P	44.5	21.1	>2	Disconnected outlet and sign posted stating “DO NOT DRINK” Faucet and plumbing to wall will be removed and replaced.

High School Classroom 121 ID# MHS-01-121-CF-P	73.4	53.1	3.1	Disconnected outlet and sign posted stating "DO NOT DRINK" Water cooler will be provided. Faucet and plumbing to wall will be removed and replaced.
High School KITCHEN ID# MHS-01-KIT-KT-P	23.8	19.2	<2	Disconnected outlet and sign posted stating "DO NOT USE" Faucet and plumbing to wall will be removed and replaced.
High School Classroom 220 ID# MHS-02-220-CF1-P	52.8	28.6	3.9	Disconnected outlet and sign posted stating "DO NOT DRINK" Water cooler will be provided. Faucet and plumbing to wall will be removed and replaced.

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.manasquanschools.org. For more information about water quality in our schools, contact Matthew Hudson at 732.528.8820 ext. 1016 or Lynn Coates at 732.528.8803 ext. 1906.

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,

Dr. Frank Kasyan

Dr. Frank Kasyan
Superintendent of Schools