



KINNELON PUBLIC SCHOOLS

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Kerry A. Keane
Business Administrator
Board Secretary

June 23, 2022

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

In accordance with the Department of Education regulations, the Kinnelon 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 – SAFE FOR HANDWASHING ONLY" sign will be posted.

Testing Results

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 Kinnelon School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 132 samples taken, all tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

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 3:30 p.m. and are also available on our website at www.kinnelon.com. For more information about water quality in our schools, contact Mr. Alan Bresett, Supervisor of Buildings and Grounds at the 973-283-1923.

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,



Kerry A. Keane
Business Administrator

2.0 SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. Table(s) 1 below shows the concentration of lead (parts per billion or microgram per liter) at each active drinking water location sampled. Sampling conducted followed NJDEP protocols, and all samples were submitted to EMSL Analytical under a completed Chain of Custody.

Table 1: Kiel School

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
04/21/22	Room 107 Art	1-FC-107	10.2	15	No
04/21/22	Hallway by Room 105	1-FC-by Rm105-01	7.03	15	No
04/21/22	Hallway by Room 105	1-FC-by Rm105-02	8.10	15	No
04/21/22	Room 105	1-FB-105	4.04	15	No
04/21/22	Room 103	1-FB-103	11.2	15	No
04/21/22	Room 101	1-FB-101	6.92	15	No
04/21/22	Room 102	1-FB-101	3.50	15	No
04/21/22	Café/Multipurpose Rm Chiller	1-FCBF-Cafeteria-01	ND	15	No
04/21/22	Café/Multipurpose Rm Bottle Filler	1-FCBF-Cafeteria-02	ND	15	No
04/21/22	Kitchen Double Sink	1-KO-Kitchen-01	10.9	15	No
04/21/22	Kitchen Double Sink	1-KO-Kitchen-02	1.04	15	No
04/21/22	Kitchen Sink	1-KO-Kitchen-03	3.96	15	No
04/21/22	Hallway by Girls Rm 1st Floor	1-FC-by Girls Rm 1st Fl-01	1.43	15	No
04/21/22	Hallway by Girls Rm 1st Floor	1-FC-by Girls Rm 1st Fl-02	2.32	15	No
04/21/22	Nurse Office	1-MO-Nurse	ND	15	No
04/21/22	Room 109	1-FB-109	12.2	15	No
04/21/22	Room 111	1-FB-111	9.88	15	No
04/21/22	Room 113	1-FB-113	12.1	15	No
04/21/22	Room 108 Teachers Rm	1-TL-108	10.3	15	No
04/21/22	Room 204	1-FB-204	10.4	15	No
04/21/22	Room 209	1-FB-209	5.99	15	No
04/21/22	Room 207	1-FB-207	11.0	15	No
04/21/22	Hallway by Room 205	1-FC-by Rm205-01	8.46	15	No
04/21/22	Hallway by Room 205	1-FC-by Rm205-02	9.83	15	No
04/21/22	Room 205	1-FB-205	10.9	15	No
04/21/22	Room 203	1-FB-203	5.49	15	No
04/21/22	Room 201	1-FB-201	11.0	15	No
04/21/22	Room 202	1-FB-202	2.14	15	No
04/21/22	Room 213	1-FB-213	11.4	15	No

Table 1- Continued – Kiel School

04/21/22	Room 215	1-FB-215	10.7	15	No
04/21/22	Hallway by Room 217	1-FC-by Rm217-01	10.9	15	No
04/21/22	Hallway by Room 217	1-FC-by Rm217-02	4.01	15	No
04/21/22	Room 217	1-FB-217	6.26	15	No
04/21/22	Room 219	1-FB-219	7.83	15	No
04/21/22	Room 212	1-FB-212	11.0	15	No
04/21/22	Room 221	1-FB-221	4.98	15	No
04/21/22	Field Blank	1-Blank	ND	15	No

Table 1: Kinnelon High School

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
04/21/22	Custodian Office	4-SO-Cust Office	ND	15	No
04/21/22	Main Office Copy Rm	4-SO-Copy Rm	1.59	15	No
04/21/22	Hallway by Auditorium	4-FB-by Auditorium	ND	15	No
04/21/22	Room 109 Nurse Office	4-MO-109 Office	2.57	15	No
04/21/22	Room 109 Nurse Exam Rm	4-MO-109 Exam	ND	15	No
04/21/22	Trainers Rm	4-SO-Trainers Rm	ND	15	No
04/21/22	Trainers Rm	4-IM-Trainers Rm	ND	15	No
04/21/22	Old Gym Lobby by Trainer	4-FC-Old Gym Lobby-01	ND	15	No
04/21/22	Old Gym Lobby by Trainer	4-FC-Old Gym Lobby-02	ND	15	No
04/21/22	New Gym Lobby Chiller	4-FCBF-New Gym Lobby-01	ND	15	No
04/21/22	New Gym Lobby Bottle Filler	4-FCBF-New Gym Lobby-02	ND	15	No
04/21/22	Kitchen Double Sink	4-KO-Kitchen-01	1.68	15	No
04/21/22	Kitchen Double Sink	4-KO-Kitchen-02	3.70	15	No
04/21/22	Kitchen Single	4-KO-Kitchen-03	1.96	15	No
04/21/22	Kitchen Single	4-KO-Kitchen-04	4.40	15	No
04/21/22	Kitchen Single	4-KO-Kitchen-05	2.07	15	No
04/21/22	Cafeteria	4-FC-Café	3.74	15	No
04/21/22	Cafeteria Annex	4-FC-CafeAnnex-01	ND	15	No
04/21/22	Cafeteria Annex	4-FC-CafeAnnex-02	ND	15	No
04/21/22	Teachers' Lounge by Rm 203	4-TL-Teacher Lounge	ND	15	No
04/21/22	Hallway by Rm 207 Bottle Filler	4-BF-by Rm 207	ND	15	No
04/21/22	Hallway by Rm 215 Chiller	4-FCBF-by Rm 215-01	ND	15	No
04/21/22	Hallway by Rm 215 Bottle Filler	4-FCBF-by Rm 215-02	ND	15	No
04/21/22	Room 223	4-SO-223	ND	15	No
04/21/22	Hallway by Rm 225B	4-FC-by Rm 225B-01	1.33	15	No
04/21/22	Hallway by Rm 225B	4-FC-by Rm 225B-02	1.14	15	No
04/21/22	Hallway by Rm 310 Bottle Filler	4-BF-by Rm 310	ND	15	No
04/21/22	Office By Rm 309	4-SO-Office by Rm 309	ND	15	No
04/21/22	Hallway by Rm 311 Chiller	4-FCBF-by Rm 311-01	ND	15	No
04/21/22	Hallway by Rm 311 Bottle Filler	4-FCBF-by Rm 311-02	ND	15	No
04/21/22	Room 315/317 Office	4-SO-315/317	1.65	15	No
04/21/22	Hallway by Rm 317	4-FC-by Rm 317-01	1.63	15	No
04/21/22	Hallway by Rm 317	4-FC-by Rm 317-02	ND	15	No

Table 1- Continued – Kinnelon High School

04/21/22	Room 319 Bank	4-SO-319	1.81	15	No
04/21/22	Room 321	4-SO-321	ND	15	No
04/21/22	Concession Stand Kitchen	4-KO-CS	1.68	15	No
04/21/22	Field Blank	4-Blank	ND	15	No

Table 1: Pearl Miller School

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
04/21/22	Hallway by Rm 142	3-FB-by Rm 142-01	4.03	15	No
04/21/22	Hallway by Rm 142	3-FB-by Rm 142-02	3.50	15	No
04/21/22	Room 120 Library Work Rm	3-SO-120	1.50	15	No
04/21/22	Hallway by Rm 118	3-FB-by Rm 118-01	6.88	15	No
04/21/22	Room 310 Mail Room	3-SO-310	2.39	15	No
04/21/22	Room 305 Conf Rm	3-SO-305	ND	15	No
04/21/22	Hallway 300 Wing	3-FC-300 Wing-01	ND	15	No
04/21/22	Hallway 300 Wing	3-FC-300 Wing-02	ND	15	No
04/21/22	Room 313	3-SO-313	ND	15	No
04/21/22	Room 320	3-FB-320	ND	15	No
04/21/22	Room 316	3-SO-316	1.17	15	No
04/21/22	Room 104 Nurse	3-SO-104	2.12	15	No
04/21/22	Hallway By Rm 122B Chiller	3-FCBF-by Rm 122B-01	ND	15	No
04/21/22	Hallway By Rm 122B Bottle Filler	3-FCBF-by Rm 122B-02	ND	15	No
04/21/22	Boys Locker Room	3-FB-Boys Locker Rm	11.5	15	No
04/21/22	Girls Locker Rm	3-FB-Girls Locker Rm	10.5	15	No
04/21/22	Room 126 Computers	3-SO-126	10.8	15	No
04/21/22	Cafeteria Chiller	3-FC-Cafeteria-01	ND	15	No
04/21/22	Cafeteria Chiller	3-FC-Cafeteria-02	ND	15	No
04/21/22	Cafeteria Bottle Filler	3-FC-Cafeteria-03	ND	15	No
04/21/22	Garage Sports Storage	3-IM-Garage	ND	15	No
04/21/22	Kitchen	3-KO-Kitchen-01	11.9	15	No
04/21/22	Kitchen	3-KO-Kitchen-02	5.40	15	No
04/21/22	Kitchen	3-KO-Kitchen-03	10.6	15	No
04/21/22	Custodial Room	3-SO-Custodal Rm	1.87	15	No
04/21/22	Room Btw 209/212	3-SO-209/212	3.99	15	No
04/21/22	Room 208	3-SO-208	11.4	15	No
04/21/22	Room btw 204/207	3-SO-Btw Rm 204/207	10.8	15	No
04/21/22	Hallway by Room 213 Chiller	3-FCBF by Rm213-01	ND	15	No
04/21/22	Hallway by Room 213 Bottle Filler	3-FCBF-by Rm213-02	ND	15	No
04/21/22	Field Blank	3-Blank	ND	15	No

Table 1: Glenn L Sisco

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
04/21/22	Employee Lounge	5-SO-121	10.3	15	No
04/21/22	Room 106 Kitchen	5-SO-106	1.46	15	No
04/21/22	Room 202	5-SO-202	2.24	15	No
04/21/22	Room 201	5-SO-201	2.30	15	No
04/21/22	Room 203	5-SO-203	5.99	15	No
04/21/22	Room 205	5-SO-205	10.3	15	No
04/21/22	Room 206	5-SO-206	8.41	15	No
04/21/22	Hallway by Rm 205	5-FC-by Rm 205-01	4.75	15	No
04/21/22	Cafeteria -02	5-FCBF-Cafeteria-02	10.5	15	No
04/21/22	Room 207	5-SO-207	5.02	15	No
04/21/22	Room 208	5-SO-208	4.32	15	No
04/21/22	Field Blank	5-Blank	ND	15	No

Table 1: Stonybrook School

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
04/21/22	Room 110	2-FB-110	1.43	15	No
04/21/22	Room 107	2-FB-107	5.17	15	No
04/21/22	Hallway by Rm 107	2-FC-by Rm 107-01	2.30	15	No
04/21/22	Hallway by Rm 107	2-FC-by Rm 107-02	11.1	15	No
04/21/22	Room 106	2-FB-106	ND	15	No
04/21/22	Room 115	2-FB-115	ND	15	No
04/21/22	Room 105	2-FB-105	12.3	15	No
04/21/22	Room 116	2-FB-116	ND	15	No
04/21/22	Room 102 Nurse	2-MO-102	6.90	15	No
04/21/22	Room 308 Faculty Lounge	2-TL-308	ND	15	No
04/21/22	Hallway by Rm 308	2-FC-by Rm 308-01	5.48	15	No
04/21/22	Hallway by Rm 308	2-FC-by Rm 308-02	2.36	15	No
04/21/22	Room 306 Conference	2-SO-306	ND	15	No
04/21/22	Room 313 Left	2-SO-313-01	1.96	15	No
04/21/22	Room 313 Right	2-SO-313-02	ND	15	No
04/21/22	Room 318	2-FB-318	ND	15	No
04/21/22	Room 319	2-FB-319	ND	15	No
04/21/22	Room 320	2-FB-320	ND	15	No
04/21/22	Room 321	2-FB-321	ND	15	No
04/21/22	Room 324	2-FB-324	ND	15	No
04/21/22	Room 325	2-FB-325	1.02	15	No
04/21/22	Room 326	2-FB-326	2.26	15	No
04/21/22	Room 328	2-FB-328	1.44	15	No
04/21/22	Gym Lobby	2-FC-Gym Lobby-01	2.31	15	No
04/21/22	Gym Lobby	2-FC-Gym Lobby-02	1.05	15	No
04/21/22	Room 330 Band	2-SO-330	3.41	15	No
04/21/22	Room 216 Chiller	2-FCBF-216-01	ND	15	No
04/21/22	Room 216 Bottle Filler	2-FCBF-216-02	1.70	15	No
04/21/22	Kitchen	2-KO-Kitchen-01	ND	15	No
04/21/22	Kitchen	2-KO-Kitchen-02	1.24	15	No
04/21/22	Room 201	2-FB-201	ND	15	No
04/21/22	Room 210	2-FB-210	ND	15	No
04/21/22	Room 202	2-FB-202	2.40	15	No
04/21/22	Room 209	2-FB-209	2.41	15	No
04/21/22	Room 202A	2-SO-202A	ND	15	No
04/21/22	Hallway By Rm 209	2-FC-by Rm209	6.11	15	No
04/21/22	Room 203	2-FB-203	2.25	15	No

Table 1- Continued – Stonybrook School

04/21/22	Room 208	2-FB-208	4.41	15	No
04/21/22	Room 204	2-FB-204	7.91	15	No
04/21/22	Room 207	2-FB-207	ND	15	No
04/21/22	Room 205	2-FB-205	ND	15	No
04/21/22	Room 206	2-FB-206	1.39	15	No
04/21/22	Room 212	2-FB-212	3.59	15	No
04/21/22	Field Blank	2-Blank	ND	15	No

Table 1: Maintenance

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
04/22/22	Kitchen	6-KO-Kitchen	10.6	15	No