Administrative Offices

BOARD OF EDUCATION OF THE VOCATIONAL SCHOOLS IN THE COUNTY OF MIDDLESEX

112 Rues Lane P.O. Box 1070 East Brunswick, N.J. 08816-1070 Telephone (732) 257-3300 Fax:(732) 390-4252

Keith Jones II, President

Jorge E. Diaz, Superintendent

June 28, 2022

Woodbridge Campus
Middlesex County Vocational & Technical High Schools
1 Convery Blvd.
Woodbridge, NJ 07095

Dear Woodbridge Campus 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, Middlesex County Vocational & Technical High Schools tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, The Woodbridge Campus 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 Middlesex County Vocational & Technical High Schools. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 17 samples taken, all but 2 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 Middlesex County Vocational & Technical High Schools *has taken to reduce the levels of lead at these locations.*

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Room 127 Bubbler Restored for Test Only P-W1004 ID # 012209200-0007	96.2	Shut off water supply to vacated shop water fountain
Hallway Bubbler 114 Restored for Test Only P-W1012 ID # 012209200-0012	44.5	Shut off water supply to hallway porcelain water fountain

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 mcvts.net. For more information about water quality in our schools, contact Francis P. Cap, MCVTS Facilities at the BOE Offices, 732-257-3300 x 1926.

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 healthcare 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,

Karl J. Knehr
Business Administrator

Woodbridge

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
W-1010 Outside Locker Room	S1	6/4/2022	8:55 am	Non-Detect
W-1011 Outside Locker Room	S2	6/4/2022	8:55 am	Non-Detect
W-1008 Between Bathrooms	S3	6/4/2022	8:59 am	4.91
W-1001 Room 128	S4	6/4/2022	9:01 am	1.07
W-1002 Room 127 – Back Sink	S5	6/4/2022	9:04 am	Non-Detect
W-1003 Room 127	S6	6/4/2022	9:05 am	Non-Detect
W-1004 Room 127	S7	6/4/2022	9:05 am	96.2
W-1005 Room 130	S8	6/4/2022	9:09 am	5.55
W-1006 Nurse's Office	S9	6/4/2022	9:11 am	Non-Detect
W-1009 Room 137	S10	6/4/2022	9:15 am	Non-Detect
W-1015 Next to Room 119	S11	6/4/2022	9:19 am	3.61
W-1012 Next to Room 114	S12	6/4/2022	9:21 am	44.5
W-1014 Cafeteria Kitchen	S13	6/4/2022	9:23 am	Non-Detect
W-1013 Cafeteria Kitchen	S14	6/4/2022	9:23 am	Non-Detect
W-1016 Basement	S15	6/4/2022	9:33 am	1.28
W-1017 Sink – Room 135	S16	6/4/2022	9:35 am	1.78
Field Blank	NA	6/4/2022	NA	Non-Detect

Administrative Offices

BOARD OF EDUCATION OF THE VOCATIONAL SCHOOLS IN THE COUNTY OF MIDDLESEX

112 Rues Lane P.O. Box 1070 East Brunswick, N.J. 08816-1070 Telephone (732) 257-3300 Fax:(732) 390-4252

Keith Jones II, President

Jorge E. Diaz, Superintendent

June 28, 2022

Piscataway Campus
Middlesex County Vocational & Technical High Schools
21 Suttons Lane
Piscataway, NJ 08854

Dear Piscataway Campus 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, Middlesex County Vocational & Technical High Schools tested our schools' drinking water for lead.
In accordance with the Department of Education regulations, The Piscataway Campus 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 Middlesex County Vocational & Technical High Schools. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 50 samples taken, all but 4 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 Middlesex County Vocational & Technical High Schools has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Culinary Arts water cooler P-1040 ID # 012209280-0003	496	Shut water supply, remove from service
Across from bake shop Hall bubbler P-1045 ID # 012209280-0023	479	Shut water supply, remove from service
Hall bubbler S/S basin C-shop hallway P-1023 ID # 012209280-0039	740	Shut water supply, remove from service
Hall bubbler D-shop hallway P-1014 ID# 012209280-0049	5090	Shut water supply, remove from 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 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 mcvts.net. For more information about water quality in our schools, contact Francis P. Cap, MCVTS Facilities at the BOE Offices, 732-257-3300 x 1926.

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,

Karl J. Knehr
Business Administrator

Piscataway

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
P1046 Main Office Copy Room	S1	6/4/2022	7:13 am	5.31
P1041 Culinary Arts Coffee Maker	S2	6/4/2022	7:22 am	1.42
P1040 Water Fountain Culinary Arts Next to Ice Maker	S3	6/4/2022	7:23 am	496
P1039 Culinary Arts Ice Maker	S4	6/4/2022	7:25 am	1.07
P1038 Culinary Arts Dual Compartment Sink Next to Ice Maker	S5	6/4/2022	7:28 am	Non-Detect
P1037 Left Side 2 Compartment Sink	S6	6/4/2022	7:30 am	Non-Detect
P1036 Left Side 2 Compartment Sink	S7	6/4/2022	7:30 am	Non-Detect
P1035 Culinary Arts 3 Compartment Sink	S8	6/4/2022	7:32 am	Non-Detect
P1034 Culinary Arts Across from Range	S9	6/4/2022	7:33 am	Non-Detect
P1033 ARA Prep Sink by Walk-in	S10	6/4/2022	7:36 am	2.89
P1032 ARA Prep Sink by Walk-in	S11	6/4/2022	7:37 am	2.59
P1031 ARA Prep Sink Next to Pots	S12	6/4/2022	7:39 am	Non-Detect
P1031 ARA Prep Sink Next to Pots	S13	6/4/2022	7:40 am	Non-Detect
P1029 ARA Prep Sink Next to Microwave	S14	6/4/2022	7:41 am	5.12
P1028 ARA Serving Line Sink	S15	6/4/2022	7:42 am	1.12
P1050 Water Fountain Hallway by Room B134	S16	6/4/2022	7:45 am	1.50
P1054 Water Fountain Outside Boy's Locker Room	S17	6/4/2022	7:48 am	2.13
P1053 Sink Room A161	S18	6/4/2022	7:52 am	3.01

Piscataway Continued

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
P1055 Water Fountain Outside Girl's Locker Room	S19	6/4/2022	7:54 am	8.57
P1056 Water Fountain Inside Girl's Locker Room	S20	6/4/2022	7:58 am	3.06
P1048 Sink Room A142	S21	6/4/2022	8:01 am	12.3
P1057 Sink Room A150	S22	6/4/2022	8:04 am	4.10
P1045 Water Fountain Across From Room B174	S23	6/4/2022	8:07 am	479
P1059 Bakery Sink – Front	S24	6/4/2022	8:09 am	1.04
P1060 Bakery Sink – Rear	S25	6/4/2022	8:10 am	Non-Detect
P1049 Water Fountain Across From Café	S26	6/4/2022	8:13 am	Non-Detect
P1051 Nurse's Office Sink	S27	6/4/2022	8:17 am	6.21
P1052 Ice Maker Nurse's Office	S28	6/4/2022	8:18 am	1.67
P1043 Water Fountain Across From Room C142	S29	6/4/2022	8:21 am	2.85
P1044 Health Occupation Office Kitchen	S30	6/4/2022	8:24 am	Non-Detect
P1042 Sink Room C156	S31	6/4/2022	8:29 am	4.91
P1018 Water Fountain Next to Room D117	S32	6/4/2022	8:34 am	2.28
P1019 Room D117 Next to Bathroom	S33	6/4/2022	8:37 am	1.11
P1017 Room D124 Next to Bathroom	S34	6/4/2022	8:39 am	3.69
P1027 C Hall Between Bathrooms	S35	6/4/2022	8:51 am	2.55
P1026 Water Fountain By Room D108	S36	6/4/2022	8:55 am	3.86
P1025 Shop Entrance Eye Wash Sink	S37	6/4/2022	9:05 am	3.48
P1024 Water Fountain By Room C102	S38	6/4/2022	9:08 am	5.80

Piscataway Continued

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
P1023 Water Fountain By Room C110	S39	6/4/2022	9:10 am	740
P1021 Water Fountain By Room C122	S40	6/4/2022	9:12 am	2.14
P1009 Special Needs Culinary Arts Sink by Front Door	S41	6/4/2022	9:17 am	4.40
P1006 Special Needs Culinary Arts Ice Maker	S42	6/4/2022	9:19 am	Non-Detect
P1007 Special Needs Culinary Arts Across From Prep	S43	6/4/2022	9:21 am	Non-Detect
P1008 Special Needs Culinary Arts Coffee Maker	S44	6/4/2022	9:22 am	6.66
P1010 Water Fountain By Room F149	S45	6/4/2022	9:24 am	Non-Detect
P1001 Water Fountain By Room F118	S46	6/4/2022	9:30 am	2.18
P1011 SN Faculty Kitchen	S47	6/4/2022	9:32 am	Non-Detect
P1013 Water Fountain By Room F145	S48	6/4/2022	9:36 am	8.60
P1014 Water Fountain By Room D138	S49	6/4/2022	9:45 am	5090
Field Blank	NA	6/4/2022	NA	Non-Detect

Administrative Offices

BOARD OF EDUCATION OF THE VOCATIONAL SCHOOLS IN THE COUNTY OF MIDDLESEX

112 Rues Lane P.O. Box 1070 East Brunswick, N.J. 08816-1070 Telephone (732) 257-3300 Fax:(732) 390-4252

Keith Jones II, President

Jorge E. Diaz, Superintendent

June 28, 2022

Perth Amboy Campus
Middlesex County Vocational & Technical High Schools
457 High Street
Perth Amboy, NJ 08861

Dear Perth Amboy Campus 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, Middlesex County Vocational & Technical High Schools tested our schools' drinking water for lead.
In accordance with the Department of Education regulations, The Perth Amboy Campus 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 Middlesex County Vocational & Technical High Schools. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 38 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 Middlesex County Vocational & Technical High Schools has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
2nd floor MC Faculty lounge coffee vending machine provision Turned on for test PA-1001 ID# 012209338-0001	24.1	On for test – off after test line not in use. Water off.
2nd floor ARA Pot filler Turned on for test PA-1019 ID# 012209338-0026	966	On for test – off after test, handle removed not in use. Water off.
2nd floor Culinary Pot filler PA-1030 ID# 012209338-0033	27.7	Removed from service. Water off.

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 mcvts.net. For more information about water quality in our schools, contact Francis P. Cap, MCVTS Facilities at the BOE Offices, 732-257-3300 x 1926.

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,

Karl J. Knehr
Business Administrator

Perth Amboy

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
PA-1001 Lounge	S1	6/4/2022	7:09 am	24.1
PA-1002 Water Fountain Between 2nd Floor Bathrooms	S2	6/4/2022	7:10 am	Non-Detect
PA-1003 Water Fountain Between 2nd Floor Bathrooms	S3	6/4/2022	7:11 am	Non-Detect
PA-1004 Faculty Lounge	S4	6/4/2022	7:16 am	Non-Detect
PA-1006 Outside Cafeteria	S5	6/4/2022	7:18 am	Non-Detect
PA-1007 Outside Cafeteria	S6	6/4/2022	7:18 am	Non-Detect
PA-1005 Conference Room	S7	6/4/2022	7:26 am	1.09
PA-1036 Water Fountain Between 1st Floor Bathrooms	S8	6/4/2022	7:29 am	Non-Detect
PA-1037 Water Fountain Between 1st Floor Bathrooms	S9	6/4/2022	7:29 am	Non-Detect
PA-1009 Nurse's Office	S10	6/4/2022	7:31 am	3.45
PA-1008 Nurse's Office	S11	6/4/2022	7:34 am	Non-Detect
PA-1010 Nurse's Office	S12	6/4/2022	7:35 am	6.95
PA-1011 Nurse's Office	S13	6/4/2022	7:35 am	3.95
PA-1012 Faculty Room (A-110)	S14	6/4/2022	7:37 am	Non-Detect
PA-1013 Between Bathrooms	S15	6/4/2022	7:40 am	Non-Detect
PA-1014 Between Bathrooms	S16	6/4/2022	7:40 am	Non-Detect
PA-1015 C-152	S17	6/4/2022	7:42 am	Non-Detect
PA-1016 C-152	S18	6/4/2022	7:42 am	Non-Detect
PA-1017 C-162	S19	6/4/2022	7:47 am	Non-Detect
PA-1018 C-162	S20	6/4/2022	7:47 am	Non-Detect

Perth Amboy Continued

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
PA-1034 C-165	S21	6/4/2022	7:49 am	Non-Detect
PA-1035 C-165	S22	6/4/2022	7:49 am	Non-Detect
PA-1022 Kitchen	S23	6/4/2022	7:53 am	Non-Detect
PA-1020 Kitchen	S24	6/4/2022	7:54 am	Non-Detect
PA-1021 Kitchen	S25	6/4/2022	7:55 am	1.11
PA-1019 Kitchen	S26	6/4/2022	7:58 am	966
PA-1026 Culinary Section	S27	6/4/2022	8:03 am	2.27
PA-1024 Culinary Section	S28	6/4/2022	8:04 am	1.64
PA-1025 Culinary Section	S29	6/4/2022	8:05 am	1.97
PA-1023 Culinary Section	S30	6/4/2022	8:06 am	1.40
PA-1028 Culinary Section	S31	6/4/2022	8:08 am	3.40
PA-1027 Culinary Section	S32	6/4/2022	8:10 am	3.75
PA-1030 Culinary Section	S33	6/4/2022	8:11 am	27.7
PA-1029 Culinary Section	S34	6/4/2022	8:12 am	1.76
PA-1033 Prep Kitchen	S35	6/4/2022	8:11 am	Non-Detect
PA-1032 Prep Kitchen	S36	6/4/2022	8:12 am	1.46
PA-1033 Prep Kitchen	S37	6/4/2022	8:15 am	1.73
Field Blank	NA	6/4/2022	NA	Non-Detect

Administrative Offices

BOARD OF EDUCATION OF THE VOCATIONAL SCHOOLS IN THE COUNTY OF MIDDLESEX

112 Rues Lane P.O. Box 1070 East Brunswick, N.J. 08816-1070 Telephone (732) 257-3300 Fax:(732) 390-4252

Keith Jones II, President

Jorge E. Diaz, Superintendent

June 28, 2022

Edison Academy
Middlesex County Vocational & Technical High Schools
100 Technology Drive
Edison, NJ 08837

Dear Edison Academy 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, Middlesex County Vocational & Technical High Schools tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, The Edison Academy 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 Middlesex County Vocational & Technical High Schools. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 9 samples taken, all but 1 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 Middlesex County Vocational & Technical High Schools has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Second floor custodial mop sink faucet P-E1001 ID # 012208426-0006	32.6	Posted "Do Not Drink – Safe for Handwashing Only"

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 mcvts.net. For more information about water quality in our schools, contact Francis P. Cap, MCVTS Facilities at the BOE Offices, 732-257-3300 x 1926.

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,

Karl J. Knehr
Business Administrator

Edison Academy

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
E-1008 Slop Sink – Receiving	S1	5/21/2022	10:38 am	Non-Detect
E-1006 Left Water Fountain 1st Floor – Between Bathrooms	S2	5/21/2022	10:41 am	Non-Detect
E-1007 Right Water Fountain 1st Floor – Between Bathrooms	S3	5/21/2022	10:41 am	Non-Detect
E-1003 Nurse's Office Sink	S4	5/21/2022	10:45 am	Non-Detect
E-1002 1st Floor Faculty Room Sink	S5	5/21/2022	10:47 am	Non-Detect
E-1001 2nd Floor Janitor's Closet	S6	5/21/2022	10:49 am	32.6
E-1004 Left Water Fountain Room 215 Hallway	S7	5/21/2022	10:52 am	Non-Detect
E-1005 Right Water Fountain Room 215 Hallway	S8	5/21/2022	10:52 am	Non-Detect
Field Blank	NA	5/21/2022	NA	Non-Detect

Administrative Offices

BOARD OF EDUCATION OF THE VOCATIONAL SCHOOLS IN THE COUNTY OF MIDDLESEX

112 Rues Lane P.O. Box 1070 East Brunswick, N.J. 08816-1070 Telephone (732) 257-3300 Fax:(732) 390-4252

Keith Jones II, President

Jorge E. Diaz, Superintendent

June 28, 2022

East Brunswick Campus
Middlesex County Vocational & Technical High Schools
112 Rues Lane
East Brunswick, NJ 08816

Dear East Brunswick Campus 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, Middlesex County Vocational & Technical High Schools tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, The East Brunswick Campus 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 Middlesex County Vocational & Technical High Schools. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 66 samples taken, all but 13 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 Middlesex County Vocational & Technical High Schools has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Graphic Arts shop bubbler S-117 P-EB-1054 ID # 012208329-0005	46.4	Shut off water supply, remove from service
Hall bubbler B hallway RH side (pair) porcelain P-EB-1035 ID # 012208329-0009	21.4	Shut off water supply to RHS bubbler
Hall bubbler E hallway Girls Side RH side (pair) porcelain P-EB-1029 ID # 012208329-0025	21.0	Shut off water supply to RHS bubbler
S/S Hall bubbler F Hallway Boys side P-EB-1025 ID # 012208329-0028	22.1	Shut off water supply
Auditorium Lobby LH side bubbler porcelain P-EB-1010 ID# 012208329-0033	182	Shut water supply. Note: Area under construction
Auditorium Lobby RH side bubbler porcelain P-EB-1011 ID# 012208329-0034	29.6	Shut water supply. Note: Area under construction
CD Kitchen hand wash sink P-EB-1018 ID# 012208329-0035	18.2	CW shut off Posted "Do Not Drink – Safe for Handwashing Only"
Green Lab Room 131 bubbler in shop P-EB-1007 ID# 012208327-0044	108	Counter mounted bubbler shut off water supply
Water cooler back hall designation – Elkay P-EB-1020 ID# 012208329-0043	23.6	Shut off water supply to water cooler
Bubbler S-206 Welding shop in vacated shop P-EB-1064 ID# 012208329-0056	90.9	Turned on for test. Shut upon completion of test.
Horticulture bubbler P-EB-1067 ID# 012208329-0061	95.5	On for test, shut after test
ARA Kitchen Ice Maker P-EB-1040 ID# 012209283-0003	75.8	Shut off CW supply
Culinary Pot Filler on only for test P-EB-1017 ID# 012208329-0037	69.3	Placed out of service. Handles removed water off

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 mcvts.net. For more information about water quality in our schools, contact Francis P. Cap, MCVTS Facilities at the BOE Offices, 732-257-3300 x 1926.

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,

Karl J. Knehr
Business Administrator

East Brunswick

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
EB1050 Water Fountain Hallway by Room 133	S1	5/21/2022	7:37 am	2.63
EB1051 Water Fountain Hallway by Room 102	S2	5/21/2022	7:38 am	7.56
EB1052 Water Fountain Hallway by Room 118	S3	5/21/2022	7:39 am	Non-Detect
EB1053 Water Fountain Hallway by Room 111A	S4	5/21/2022	7:44 am	1.60
EB1054 Water Fountain Hallway by Room 117	S5	5/21/2022	7:46 am	46.4
EB1049 Ice Maker Room 106	S6	5/21/2022	7:49 am	Non-Detect
EB1038 Water Fountain Hallway by Guidance Office	S7	5/21/2022	7:52 am	Non-Detect
EB1034 Left Water Fountain Hallway by Room 438	S8	5/21/2022	7:53 am	1.28
EB1035 Right Water Fountain Hallway by Room 439	S9	5/21/2022	7:53 am	21.4
EB1037 Ice Maker Nurse's Office Room 439	S11	5/21/2022	7:56 am	Non-Detect
EB1055 Water Fountain Hallway by Room 419	S12	5/21/2022	7:56 am	7.20
EB1032 Left Water Fountain Hallway by Room 114	S13	5/21/2022	7:58 am	Non-Detect
EB1033 Right Water Fountain Hallway by Room 114	S14	5/21/2022	8:00 am	Non-Detect
EB1047 Water Fountain Hallway by Room D101	S15	5/21/2022	8:07 am	Non-Detect
EB1043 ARA Kitchen	S16	5/21/2022	8:09 am	7.17
EB1044 Stand Alone Sink	S17	5/21/2022	8:10 am	1.06

East Brunswick Continued

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
EB1042 Pot Filler	S18	5/21/2022	8:11 am	12.4
EB1041 ARA Kitchen Next to Office	S19	5/21/2022	8:12 am	2.15
EB1045 Single Compartment Sink Bakery	S20	5/21/2022	8:16 am	1.29
EB1046 Double Compartment Sink Bakery	S21	5/21/2022	8:18 am	1.18
EB1057 Water Fountain Hallway by Room D125	S22	5/21/2022	8:20 am	1.65
EB1030 Water Fountain MDF Room	S23	5/21/2022	8:24 am	8.97
EB1027 Water Fountain Hallway by PE129	S24	5/21/2022	8:26 am	2.05
EB1028 Left Water Fountain Girl's Locker Room	S25	5/21/2022	8:26 am	8.32
EB1029 Right Water Fountain Girl's Locker Room	S26	5/21/2022	8:31 am	21.0
EB1023 Left Water Fountain Hallway by Room 142	S27	5/21/2022	8:34 am	3.14
EB1024 Right Water Fountain Hallway by Room 142	S28	5/21/2022	8:34 am	2.86
EB1025 Water Fountain Hallway by Room PE112	S29	5/21/2022	8:37 am	22.1
EB1026 Water Fountain Boy's Locker Room	S30	5/21/2022	8:38 am	Non-Detect
EB1021 Left Water Fountain Hallway by Room AC109	S31	5/21/2022	8:41 am	1.68
EB1022 Right Water Fountain Hallway by Room AC109	S32	5/21/2022	8:41 am	1.93
EB1009 Water Fountain Hallway by Room 165	S33	5/21/2022	8:45 am	Non-Detect
EB1010 Left Water Fountain Aud Lobby	S34	5/21/2022	8:48 am	182
EB1011 Right Water Fountain Aud Lobby	S35	5/21/2022	8:48 am	29.6

East Brunswick Continued

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
EB1018 One Compartment Sink CD Kitchen	S36	5/21/2022	8:52 am	18.2
EB1019 Pot Filler CD Kitchen	S37	5/21/2022	8:53 am	4.56
EB1017 Next to Pot Filler CD Kitchen	S38	5/21/2022	8:55 am	69.3
EB1016 Pot Filler CD Kitchen	S39	5/21/2022	8:55 am	2.03
EB1014 Coffee Area CD Kitchen	S40	5/21/2022	8:57 am	8.83
EB1015 Coffee Maker CD Kitchen	S41	5/21/2022	8:57 am	Non-Detect
EB1013 Ice Maker CD Kitchen	S42	5/21/2022	8:57 am	Non-Detect
EB1012 One Compartment Sink CD Kitchen	S43	5/21/2022	9:00 am	2.78
EB1020 Water Fountain Room 149	S44	5/21/2022	9:04 am	23.6
EB1007 Water Fountain Room 131SN	S45	5/21/2022	9:00 am	108
EB1005 Water Fountain SN Room 126	S47	5/21/2022	9:11 am	5.29
EB1004 Water Fountain SN Room 126	S48	5/21/2022	9:12 am	4.96
EB1003 Water Fountain SN Room 123	S49	5/21/2022	9:13 am	3.39
EB1008 Water Fountain Dry Cleaning	S50	5/21/2022	9:19 am	2.76
EB1002 SN Faculty Lounge Sink	S51	5/21/2022	9:22 am	2.15
EB1001 Dance Studio	S52	5/21/2022	9:24 am	Non-Detect
EB1048 New Faculty Lounge Sink	S53	5/21/2022	9:32 am	Non-Detect
EB1039 Serving Line Coffee ARA Kitchen	S54	5/21/2022	9:36 am	3.12
EB1058 Water Fountain Electrical	S56	5/21/2022	9:43 am	2.72

East Brunswick Continued

Outlet ID #	Sample ID #	Date	Time	Lead Result µg/L
EB1059 Water Fountain Carpentry S115	S57	5/21/2022	9:49 am	3.84
EB1062 Water Fountain HVAC S208	S58	5/21/2022	9:50 am	2.14
EB1064 Water Fountain Welding S206	S59	5/21/2022	9:50 am	90.9
EB1063 Water Fountain Machine Shop S203	S60	5/21/2022	9:52 am	Non-Detect
EB1065 Sink S301	S61	5/21/2022	9:54 am	8.09
EB1066 Auto Tech S307	S62	5/21/2022	9:56 am	Non-Detect
EB1068 Garage S305	S63	5/21/2022	9:59 am	1.91
EB1067 Separate Building	S63	5/21/2022	10.03 am	95.5
Field Blank	NA	5/21/2022	NA	Non-Detect
EB1036 Sink Nurse's Office Room 439	S1	6/4/2022	10:27 am	Non-Detect
EB1006 HVAC Room 130SN	S2	6/4/2022	10:30 am	Non-Detect
EB1040 Ice Maker ARA Kitchen	S3	6/4/2022	10:37 am	75.8
Field Blank	NA	6/4/2022	NA	Non-Detect