Montgomery County Public Schools Lead in Drinking Water Testing Report

7600 Arlington Rd. Bethesda, MD 20814

Report Date: June 12th, 2024

LEAD IN DRINKING WATER SAMPLE RESULTS SUMMARY

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations (COMAR). Montgomery County Public Schools (MCPS) is required to remediate outlets where lead in drinking water concentrations exceed the State Action Level (AL) of 5 parts per billion (ppb). A summary of the lead in water initial samples collected by Inspection Experts Inc. is presented in the table below.

| Sampling Date | 4/25/2024 |
|----------------------|-----------|
| # of Outlets Tested | 43 |
| # of Outlets ≥ 5 ppb | 0 |

NEXT STEPS

If an initial sample exceeds the AL (5 ppb), the outlet will be shut-down within 24 hours, a follow-up sample collected, and a remedial plan of action developed for this outlet. No additional sampling or remedial actions are required for schools where all initial samples are below the AL.

HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. 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. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

SOURCES OF HUMAN EXPOSURE TO LEAD

There are many different sources of human exposure to lead. These include: lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass outlets, food, cosmetics, exposure in the work place and from certain hobbies. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead-containing water this may increase to 40 to 60 percent.

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

- Run your water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
- 2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

*Please note that boiling the water will not reduce lead levels.

ADDITIONAL INFORMATION

- 1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or brian a mullikin@mcpsmd.org.
- 2. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead.
- 3. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

Please refer to the attachment(s) for additional water sampling information.

Attachment(s) A – Lead in Water Sample Results Table

Lead in Water Sample Results Table

Sampling Results for Bethesda ES

| Outlet Barcode | Outlet Location | Outlet Type | Initial Results (ppb) | Pass/Fail | Status |
|-------------------|----------------------------------|--|-----------------------------|-----------|---------------------|
| LW10630 | Hallway outside gym | Bottle Refill Dispenser/Water Refill Station | <2.0 | Pass | Testing Complete |
| LW10631 | In hallway across from 146 | Bottle Refill Dispenser/Water Refill Station | <2.0 | Pass | Testing Complete |
| LW10632 | Hallway between 203 & 205a | Bottle Refill Dispenser/Water Refill Station | <2.0 | Pass | Testing Complete |
| LW10633 | In hallway outside 238 | Bottle Refill Dispenser/Water Refill Station | <2.0 | Pass | Testing Complete |
| LW11417 | In classroom 228 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11421 | In classroom 213 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11423 | In classroom 226 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11425 | In special ed 205A | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11428 | In special ed 201 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11433 | In classroom 148 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11436 | In classroom 145 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |

| Outlet Barcode | Outlet Location | Outlet Type | Initial Results (ppb) | Pass/Fail | Status |
|-------------------|------------------------------|--|-----------------------------|-----------|---------------------|
| LW11437 | In classroom 143 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11439 | In classroom 141 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11441 | In classroom 146 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11442 | In classroom 144 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| LW11451 | In health room 102 | Faucet, Cold | <2.0 | Pass | Testing Complete |
| LW11456 | In hallway outside of gym | Drinking Water Fountain - Cooler/Chiller Style | <2.0 | Pass | Testing Complete |
| LW11457 | In hallway outside of gym | Drinking Water Fountain - Cooler/Chiller Style | <2.0 | Pass | Testing Complete |
| M33317 | In classroom 151 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M33320 | In classroom 153 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M33323 | In hallway outside 159 | Drinking Water Fountain - Cooler/Chiller Style | <2.0 | Pass | Testing Complete |
| M33325 | In classroom 159 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M33326 | In classroom 161 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |

| Outlet Barcode | Outlet Location | Outlet Type | Initial Results (ppb) | Pass/Fail | Status |
|-------------------|---------------------------------------|---|-----------------------------|-----------|---------------------|
| M33327 | In classroom 162 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M33328 | In classroom 240 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M33330 | In classroom 238 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M33331 | In hallway outside 238 | Drinking Water Fountain - Cooler/Chiller Style | <2.0 | Pass | Testing Complete |
| M33335 | In classroom 232 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M33338 | In classroom 230 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M39859 | In classroom 216 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M39861 | In special ed 203 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M39862 | In hallway between 203 and 205a | Drinking Water Fountain - Cooler/Chiller Style | <2.0 | Pass | Testing Complete |
| M39872 | In special ed 205B | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M39880 | In classroom 224 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M39882 | In classroom 207 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |

| Outlet Barcode | Outlet Location | Outlet Type | Initial Results (ppb) | Pass/Fail | Status |
|-------------------|--------------------------------|--|-----------------------------|-----------|---------------------|
| M39886 | In classroom 209 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M39903 | In special ed 133 | Drinking Water fountain - Bubbler Style | <2.0 | Pass | Testing Complete |
| M39907 | In classroom 135 | Drinking Water fountain - Bubbler Style | ain <2.0 F | | Testing Complete |
| M39926 | In hallway across from 146 | Drinking Water Fountain - Cooler/Chiller Style | <2.0 | Pass | Testing Complete |
| M39948 | In kitchen by all purpose room | Faucet, Cold | <2.0 | Pass | Testing Complete |
| M39949 | In kitchen by all purpose room | Faucet, Cold | <2.0 | Pass | Testing Complete |
| M39950 | In kitchen by all purpose room | Faucet, Cold | <2.0 | Pass | Testing Complete |
| M39951 | In kitchen by all purpose room | Faucet, Cold | <2.0 | Pass | Testing Complete |

Montgomery County Public Schools Lead in Drinking Water Testing Report

Pethesda Elementary School 7600 Arlington Road Bethesda, MS 20814

Report Date: February 9th, 2022

LEAD IN DRINKING WATER SAMPLE RESULTS SUMMARY

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations (COMAR). Montgomery County Public Schools (MCPS) is required to remediate outlets where lead in drinking water concentrations exceed the Montgomery County Action Level (AL) of 5 parts per billion (ppb). A summary of the lead in water initial samples collected by SaLUT are presented in the table below.

| Sampling Date | 10/19/2021 |
|----------------------|------------|
| # of Outlets Tested | 79 |
| # of Outlets ≥ 5 ppb | 1 |

NEXT STEPS

If an initial sample exceeds the AL (5 ppb), the outlet will be immediately shut-down, a follow-up sample collected, and a remedial plan of action developed for this outlet. No additional sampling or remedial actions are required for schools where all initial samples are below the AL.

HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. 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. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

SOURCES OF HUMAN EXPOSURE TO LEAD

There are many different sources of human exposure to lead. These include: lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass fixtures, food, cosmetics, exposure in the work place and from certain hobbies. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead-containing water this may increase to 40 to 60 percent.

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

- 1. Run your water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
- 2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

*Please note that boiling the water will not reduce lead levels.

ADDITIONAL INFORMATION

- 1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or brian a mullikin@mcpsmd.org.
- 2. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead.
- 3. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

Please refer to the attachment(s) for additional water sampling information.

Attachment(s) A – Lead in Water Sample Results Table

Lead in Water Sample Results Table

Sampling Results for Bethesda ES

| Fixture Barcode | Fixture Location Fixture Type | | ration Fixture Type Results Pass/Fail Res | | Follow up Results (ppb) | Status |
|--------------------|-------------------------------|---|---|------|-------------------------------|---------------------------|
| Lw10632 | Hallway between 203 & 205a | Bottle Filler | <1 | Pass | N/A | Testing Complete |
| LW10630 | Hallway outside gym | Bottle Filler | <1 | Pass | N/A | Testing Complete |
| LW11455 | In break room 111 | Teachers Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M39906 | In classroom 135 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M39907 | In classroom 135 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11444 | In classroom 136 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11445 | In classroom 136 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M39924 | In classroom 137 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M39925 | In classroom 137 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11439 | In classroom 141 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11440 | In classroom 141 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11437 | In classroom 143 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11438 | In classroom 143 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11442 | In classroom 144 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11443 | In classroom 144 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11435 | In classroom 145 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11436 | In classroom 145 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11441 | In classroom 146 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| M39927 | In classroom 146 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11433 | In classroom 148 | Classroom Combination Drinking Fountain | 1.2 | Pass | N/A | Testing |
| LW11434 | In classroom 148 | Teacher's Lounge Sink | <1 | Pass | N/A | Complete Testing |
| LW11446 | In classroom 151 | Teacher's Lounge Sink | <1 | Pass | N/A | Complete Testing |
| M33317 | In classroom 151 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Complete Testing |
| LW11447 | In classroom 153 | Teacher's Lounge Sink | <1 | Pass | N/A | Complete Testing |
| M33320 | In classroom 153 | Classroom Combination Drinking Fountain | | Pass | N/A | Complete Testing |
| LW11450 | In classroom 159 | Teacher's Lounge Sink | <1 <1 | Pass | N/A | Complete Testing |
| M33325 | In classroom 159 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Complete Testing |
| LW11449 | In classroom 161 | Teacher's Lounge Sink | <1 | Pass | N/A | Complete Testing |
| M33326 | In classroom 161 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Complete Testing |
| M33327 | In classroom 162 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Complete Testing Complete |

| | | <u> </u> | | | | Testing |
|---------|---------------------------------|---|----|------|-----|---------------------|
| LW11448 | In classroom 162 | Teacher's Lounge Sink | <1 | Pass | N/A | Complete |
| M39881 | In classroom 207 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M39882 | In classroom 207 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| M39886 | In classroom 209 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| M39885 | In classroom 209 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11421 | In classroom 213 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11422 | In classroom 213 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11420 | In classroom 215 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M39858 | In classroom 216 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M39859 | In classroom 216 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| M39880 | In classroom 224 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| M39879 | In classroom 224 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11423 | In classroom 226 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11424 | In classroom 226 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11417 | In classroom 228 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11418 | In classroom 228 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| LW11429 | In classroom 230 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M33338 | In classroom 230 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11430 | In classroom 232 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M33335 | In classroom 232 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11431 | In classroom 238 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M33330 | In classroom 238 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11432 | In classroom 240 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| M33328 | In classroom 240 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| M39926 | In hallway across from 146 | Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW10631 | In hallway across from 146 | Bottle Filler | <1 | Pass | N/A | Testing Complete |
| M39862 | In hallway between 203 and 205a | Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| M33323 | In hallway outside 159 | Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| M33331 | In hallway outside 238 | Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW10633 | In hallway outside 238 | Bottle Filler | <1 | Pass | N/A | Testing Complete |
| LW11456 | In hallway outside of gym | Drinking Fountain | <1 | Pass | N/A | Testing Complete |
| LW11457 | In hallway outside of gym | Drinking Fountain | <1 | Pass | N/A | Testing |
| LW11451 | In health room 102 | Nurses Office Sink | <1 | Pass | N/A | Complete Testing |
| | | | | | | Complete |

| 1420040 | to 19 de colo cello con con con | White Col | -4 | | 21/2 | Testing |
|----------|---|---|----------|----------|-------|---------------------|
| M39948 | In kitchen by all purpose room Kitchen Sink < | | <1 | Pass | N/A | Complete |
| M39949 | In kitchen by all purpose room | Kitchen Sink | 8.9 | Fail | 412 | Testing |
| 10133343 | III kitelieli by ali parpose room | KILCHEH SIIIK | 0.5 | I un | 712 | Complete |
| M39950 | In kitchen by all purpose room | Kitchen Sink | <1 | Pass | N/A | Testing |
| | , | | | | , | Complete |
| M39951 | In kitchen by all purpose room | Kitchen Sink | <1 | Pass | N/A | Testing |
| | | | | | | Complete |
| M39946 | In music 114 by music | Teacher's Lounge Sink | <1 | Pass | N/A | Testing |
| | | | | | | Complete |
| M39902 | In special ed 133 | Teacher's Lounge Sink | <1 | Pass | N/A | Testing Complete |
| | | | | | | Testing |
| M39903 | In special ed 133 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Complete |
| | | | | 1.6 Pass | | Testing |
| LW11428 | In special ed 201 | In special ed 201 Classroom Combination Drinking Fountain | | Pass | N/A | Complete |
| | | | <1 | <1 Pass | N/A | Testing |
| M39860 | In special ed 203 | Teacher's Lounge Sink | | | | Complete |
| 1420064 | 1 | Classes Cambination Distinct Facilities | -4 | .1 Dans | 21/2 | Testing |
| M39861 | In special ed 203 | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Complete |
| LW11425 | In special ed 205A | Classroom Combination Drinking Fountain | 1.5 | Pass | N/A | Testing |
| LW11425 | in special ed 205A | Classroom Combination Drinking Fountain | 1.5 | PdSS | IN/A | Complete |
| LW11426 | In special ed 205A | Teacher's Lounge Sink | <1 | Pass | N/A | Testing |
| LVV11420 | iii special eu 203A | leacher's Lourige Sink | <u> </u> | Fass | IN/A | Complete |
| M39871 | In special ed 205B | Teacher's Lounge Sink | 1.1 | Pass | N/A | Testing |
| 11133071 | | reaction 3 Loutings Strik | | 1 433 | 11,77 | Complete |
| M39872 | In special ed 205B | Classroom Combination Drinking Fountain | <1 | Pass | N/A | Testing |
| 555.2 | 55000. 00 2002 | Community of Curitain | | 1 033 | IN/A | Complete |
| M39899 | In work room 106 by office | Teacher's Lounge Sink | <1 | <1 Pass | N/A | Testing |
| | iii work room 200 by office | | _ | | | Complete |
| M39900 | In work room by media center | Teacher's Lounge Sink | <1 | Pass | N/A | Testing |
| | · | | | | , | Complete |



936 RIDGEBROOK ROAD • SPARKS, MD 21152 • 410-316-7800 • (FAX) 410-316-7935

Montgomery County Public Schools Lead in Drinking Water Testing 2018

June 5, 2018

Executive Summary: Bethesda Elementary School

7600 Arlington Road Bethesda, Maryland 20814

| Round of Testing: | Initial |
|-----------------------|---------|
| # of Outlets Tested: | 77 |
| # of Outlets ≥20 ppb: | 0 |
| Low Value (ppb): | <1.0 |
| High Value (ppb): | 7.3 |

Project Status:

Testing Complete: All results less than 20 ppb.



936 RIDGEBROOK ROAD . SPARKS, MD 21152 . 410-316-7800 . (FAX) 410-316-7935

June 5, 2018

Mr. Brian Mullikin, MS Environmental Team Leader Montgomery County Public Schools Division of Maintenance Gaithersburg, Maryland 20879

Re: Drinking Water Testing

KCI Job #1214634193

Location: Bethesda Elementary School 7600 Arlington Road Bethesda, Maryland 20814

Dear Mr. Mullikin:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of Initial lead in water testing at Bethesda Elementary School, located at 7600 Arlington Road in Bethesda, Maryland 20814.

SCOPE OF SERVICES

KCI conducted lead in water testing at Bethesda Elementary School in accordance with the Environmental Protection Agency (EPA) and Maryland House Bill (HB) 270. State regulation established an action level of 20 parts per billion (ppb) to evaluate lead levels in school buildings, a concentration EPA recommends that schools take action to reduce lead below this action level. Maryland requires periodic testing for the presence of lead in drinking water in occupied public and nonpublic school buildings. EPA developed the 3T's (Training, Testing, and Telling) to assist schools in reducing the lead concentrations in their drinking water. More information about 3T's can be found on the EPA website.

KCI visited the site on 4/30/2018 and 5/1/2018 to collect samples from 77 drinking water outlets in accordance with current criteria described by the Maryland Department of the Environment (MDE) Draft Lead in Drinking Water - Public and Nonpublic Schools, Title 26, Subtitle 16 Lead, Chapter 07.

Samples were submitted to a laboratory for lead in water analysis using current US EPA methodology. The laboratory has been certified by the Maryland Department of the Environment to analyze drinking water for lead.

RESULTS

There are no results of the lead in water analysis at or above 20 parts per billion (ppb). The lead in water sample results for sample collection date 5/1/2018 are shown in Attachment A.

DISCUSSION

Lead is a naturally occurring element that can be harmful to humans when ingested or inhaled, particularly to children under the age of six. Lead can adversely affect the development of children's brain potentially leading to detrimental alterations in intelligence and behavior. Lead has been historically used in plumbing, paint and other building materials. Lead is released into the environment from industrial sources and fuel combustion. Lead may also be found in consumer products (imported candy, medicines, toys, dishes, etc.).

Most lead leaches into drinking water from contact with plumbing components such as faucets and valves made of brass or lead-containing solder. The physical and chemical interaction that occurs between the plumbing and water directly contributes to the amount of lead that is released into the water. Although plumbing components installed prior to the 1990's could contain more lead than newer materials, the amount of lead in the drinking water cannot be predicted by the age of building. The purpose of this regulation is to establish a program to minimize the risk of exposure to lead in drinking water outlets at schools.

Simple steps like keeping your home clean and well-maintained will go a long way in preventing lead exposure. These steps include inspecting and maintaining all painted surfaces to prevent paint deterioration, using only cold water to prepare food and drinks, flushing water outlets used for drinking or food preparation, and cleaning around painted areas where friction can generate dust, such as doors, windows, and drawers. Wipe these areas with a wet sponge or rag to remove paint chips or dust, and wash children's hands, bottles, pacifiers and toys often.

Respectfully Submitted, KCI Technologies, Inc.

Frank Fleller

Kamau McAbee

MDE Certified Water Sampler #8281KM

Attachment:

A- Lead in Water Test Summary Table

Lead in Water Test Summary Table

Lead in Water Test Summary Table

Contractor: KCI Technologies, Inc.
Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for Bethesda Elementary School

| Barcode ID | Room # | Location | Location Notes | Equipment Type | Results (PPB)* | Pass/Fail | Status |
|------------|--------|------------|----------------|------------------|----------------|-----------|------------------|
| LW11417 | 228 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11418 | 228 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11419 | 215 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11420 | 215 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11421 | 213 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11422 | 213 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11423 | 226 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11424 | 226 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11425 | 205A | Special Ed | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11426 | 205A | Special Ed | | Faucet | <1.0 | Pass | Testing Complete |
| LW11427 | 201 | Special Ed | | Faucet | 7.3 | Pass | Testing Complete |
| LW11428 | 201 | Special Ed | | Bubbler - Indoor | 1.3 | Pass | Testing Complete |
| LW11429 | 230 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11430 | 232 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11431 | 238 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11432 | 240 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11433 | 148 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11434 | 148 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11435 | 145 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11436 | 145 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11437 | 143 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11438 | 143 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11439 | 141 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11440 | 141 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |

| Barcode ID | Room # | Location | Location Notes | Equipment Type | Results (PPB)* | Pass/Fail | Status |
|------------|--------|-------------|----------------|------------------|----------------|-----------|------------------|
| LW11441 | 146 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11442 | 144 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11443 | 144 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11444 | 136 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| LW11445 | 136 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11446 | 151 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11447 | 153 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11448 | 162 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11449 | 161 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11450 | 159 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| LW11451 | 102 | Health Room | | Faucet | <1.0 | Pass | Testing Complete |
| LW11455 | 111 | Break Room | | Faucet | <1.0 | Pass | Testing Complete |
| LW11456 | | Hallway | Outside Of Gym | Cooler | <1.0 | Pass | Testing Complete |
| LW11457 | | Hallway | Outside Of Gym | Cooler | <1.0 | Pass | Testing Complete |
| M33317 | 151 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M33320 | 153 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M33323 | | Hallway | Outside 159 | Cooler | <1.0 | Pass | Testing Complete |
| M33325 | 159 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M33326 | 161 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M33327 | 162 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M33328 | 240 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M33330 | 238 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M33331 | | Hallway | Outside 238 | Cooler | <1.0 | Pass | Testing Complete |
| M33335 | 232 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M33338 | 230 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39858 | 216 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| M39859 | 216 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39860 | 203 | Special Ed | | Faucet | <1.0 | Pass | Testing Complete |

| Barcode ID | Room # | Location | Location Notes | Equipment Type | Results (PPB)* | Pass/Fail | Status |
|------------|--------|--------------------------|----------------------|------------------|----------------|-----------|------------------|
| M39861 | 203 | Special Ed | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39862 | | Hallway | Between 203 And 205a | Cooler | <1.0 | Pass | Testing Complete |
| M39871 | 205B | Special Ed | | Faucet | <1.0 | Pass | Testing Complete |
| M39872 | 205B | Special Ed | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39879 | 224 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| M39880 | 224 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39881 | 207 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| M39882 | 207 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39885 | 209 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| M39886 | 209 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39899 | 106 | Work Room | | Faucet | <1.0 | Pass | Testing Complete |
| M39900 | | Work Room Media Center | | Faucet | <1.0 | Pass | Testing Complete |
| M39902 | 133 | Special Ed | | Faucet | <1.0 | Pass | Testing Complete |
| M39903 | 133 | Special Ed | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39906 | 135 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| M39907 | 135 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39924 | 137 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| M39925 | 137 | Classroom | | Bubbler - Indoor | <1.0 | Pass | Testing Complete |
| M39926 | | Hallway | Across From 146 | Cooler | <1.0 | Pass | Testing Complete |
| M39927 | 146 | Classroom | | Faucet | <1.0 | Pass | Testing Complete |
| M39946 | 114 | Music | | Faucet | <1.0 | Pass | Testing Complete |
| M39948 | | Kitchen All Purpose Room | | Faucet | <1.0 | Pass | Testing Complete |
| M39949 | | Kitchen All Purpose Room | | Faucet | 1.7 | Pass | Testing Complete |
| M39950 | | Kitchen All Purpose Room | | Faucet | <1.0 | Pass | Testing Complete |
| M39951 | | Kitchen All Purpose Room | | Faucet | <1.0 | Pass | Testing Complete |

^{*}PPB = parts per billion