

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Diamond Elementary School
4 Marquis Dr.
Gaithersburg, MD 20878**

Report Date: May 6th, 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	4/5/2024
# of Outlets Tested	36
# of Outlets \geq 5 ppb	5

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:

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

ATTACHMENT A

Lead in Water Sample Results Table

Sampling Results for Diamond ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW10975	In health room 99	Faucet, Cold	<2.0	Pass	Testing Complete
LW10976	In health suite 99A	Faucet, Cold	36.0	Fail	Remediation Action Plan
LW10977	In health suite 99B	Faucet, Cold	<2.0	Pass	Testing Complete
LW09066	In kitchen 150	Faucet, Cold	187.0	Fail	Remediation Action Plan
LW10982	In classroom 100	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01509	In classroom 122	Drinking Water fountain - Bubblers Style	18.5	Fail	Remediation Action Plan
LW02375	In all purpose room	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW02376	In music room 147	Drinking Water fountain - Bubblers Style	3.9	Pass	Testing Complete
LW02379	In hallway adjacent to gym	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13150	In all purpose room	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW02380	In hallway adjacent to 160	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW02381	In hallway adjacent to 160	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW02383	In music room 164	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW02385	In classroom 174	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW02387	In classroom 176	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW02391	In classroom 183	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW02392	In hallway adjacent to 132	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13424	In hallway adjacent to gym	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13425	In hallway adjacent to gym	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW02393	In classroom 170	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW02395	In language office 178	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW02397	In classroom 181	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW02399	In classroom 187	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW02401	In classroom 189	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW02405	In hallway adjacent to 109	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW02410	In classroom 130	Drinking Water fountain - Bubbler Style	3.0	Pass	Testing Complete
LW06783	In hallway adjacent to 142	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW09065	In kitchen 150	Faucet, Cold	<2.0	Pass	Testing Complete
LW09067	In kitchen 150	Faucet, Cold	<2.0	Pass	Testing Complete
LW09068	In kitchen 150	Faucet, Cold	4.5	Pass	Testing Complete
LW09069	In kitchen 150	Faucet, Cold	2.7	Pass	Testing Complete
LW09071	In staff lounge 166	Faucet, Cold	<2.0	Pass	Testing Complete
LW09072	In staff lounge 166	Faucet, Cold	<2.0	Pass	Testing Complete
M11044	In classroom 120	Drinking Water fountain - Bubbler Style	4.3	Pass	Testing Complete
M11054	In classroom 128	Drinking Water fountain - Bubbler Style	5.9	Fail	Remediation Action Plan

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M11072	In classroom 133	Drinking Water fountain - Bubbler Style	7.6	Fail	Remediation Action Plan

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Diamond Elementary School
4 Marquis Drive
Gaithersburg, MD 20878**

Report Date: February 23rd, 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	11/12/2021
# of Outlets Tested	69
# of Outlets \geq 5 ppb	23

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

ATTACHMENT A

Lead in Water Sample Results Table

Sampling Results for Diamond ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW01509	In classroom 122	Classroom Combination Drinking Fountain	8.3	Fail	2.8	Testing Complete
LW01510	In classroom 109	Classroom Combination Sink	6.4	Fail	21.1	Testing Complete
LW02375	In all purpose room	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02376	In music room 147	Classroom Combination Drinking Fountain	7.0	Fail	<1	Testing Complete
LW02379	In hallway adjacent to gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02380	In hallway adjacent to 160	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02381	In hallway adjacent to 160	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02382	In classroom 164	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02383	In music room 164	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02384	In classroom 174	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02385	In classroom 174	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02386	In classroom 176	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02387	In classroom 176	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02390	In classroom 183	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02391	In classroom 183	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02392	In hallway adjacent to 132	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02393	In classroom 170	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02394	In language office 178	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
LW02395	In language office 178	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02396	In classroom 181	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW02397	In classroom 181	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02398	In classroom 187	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02399	In classroom 187	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02400	In classroom 189	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02401	In classroom 189	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02402	In classroom 129	Classroom Combination Sink	9.5	Fail	66.1	Testing Complete
LW02404	In classroom 131	Classroom Combination Sink	5.8	Fail	5.3	Testing Complete
LW02405	In hallway adjacent to 109	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02408	In classroom 128	Classroom Combination Sink	6.3	Fail	6.0	Testing Complete
LW02409	In classroom 130	Classroom Combination Sink	1.5	Pass	N/A	Testing Complete

LW02410	In classroom 130	Classroom Combination Drinking Fountain	2.0	Pass	N/A	Testing Complete
LW06778	In classroom 108	Classroom Combination Sink	9.7	Fail	11.9	Testing Complete
LW06780	In classroom 105	Classroom Combination Sink	4.1	Pass	N/A	Testing Complete
LW06783	In hallway adjacent to 142	Drinking Fountain	1.3	Pass	N/A	Testing Complete
LW06784	In classroom 142	Classroom Combination Sink	2.1	Pass	N/A	Testing Complete
LW09065	In kitchen 150	Kitchen Sink	6.9	Fail	4.4	Testing Complete
LW09066	In kitchen 150	Kitchen Sink	332	Fail	39.8	Testing Complete
LW09067	In kitchen 150	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW09068	In kitchen 150	Kitchen Sink	12.0	Fail	12.7	Testing Complete
LW09069	In kitchen 150	Kitchen Sink	29.5	Fail	5.6	Testing Complete
LW09071	In staff lounge 166	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW09072	In staff lounge 166	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW09073	In classroom 170	Classroom Combination Sink	9.7	Fail	<1	Testing Complete
LW10974	In work room 98G	Classroom Sink	1.6	Pass	N/A	Testing Complete
LW10975	In health room 99	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW10976	In health suite 99A	Nurses Office Sink	3.0	Pass	N/A	Testing Complete
LW10977	In health suite 99B	Nurses Office Sink	7.1	Fail	<1	Testing Complete
LW10979	In music room 147	Classroom Combination Sink	7.3	Fail	5.1	Testing Complete
LW10980	In classroom 126	Classroom Combination Sink	9.3	Fail	10.7	Testing Complete
LW10981	In classroom 100	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
LW10982	In classroom 100	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M11009	In classroom 106	Classroom Combination Sink	3.5	Pass	N/A	Testing Complete
M11011	In classroom 107	Classroom Combination Sink	3.9	Pass	N/A	Testing Complete
M11029	In classroom 116	Classroom Combination Sink	7.3	Fail	9.1	Testing Complete
M11033	In classroom 115	Classroom Combination Sink	5.4	Fail	12.0	Testing Complete
M11035	In classroom 117	Classroom Combination Sink	20.4	Fail	9.4	Testing Complete
M11037	In classroom 118	Classroom Combination Sink	4.5	Pass	N/A	Testing Complete
M11039	In classroom 121	Classroom Combination Sink	11.7	Fail	12.1	Testing Complete
M11041	In classroom 123	Classroom Sink	8.7	Fail	20.5	Testing Complete
M11043	In classroom 120	Classroom Combination Sink	5.9	Fail	4.3	Testing Complete
M11044	In classroom 120	Classroom Combination Drinking Fountain	4.5	Pass	N/A	Testing Complete
M11045	In classroom 122	Classroom Combination Sink	4.4	Pass	N/A	Testing Complete
M11054	In classroom 128	Classroom Combination Drinking Fountain	13.0	Fail	<1	Testing Complete

M11069	In classroom 132	Classroom Combination Sink	4.9	Pass	N/A	Testing Complete
M11071	In classroom 133	Classroom Sink	44.3	Fail	4.2	Testing Complete
M11072	In classroom 133	Classroom Combination Drinking Fountain	12.8	Fail	10.8	Testing Complete
M11075	In classroom 135	Classroom Combination Sink	4.0	Pass	N/A	Testing Complete
M11080	In support room 139	Classroom Combination Sink	11.8	Fail	7.5	Testing Complete
M11083	In classroom 143	Classroom Combination Sink	3.2	Pass	N/A	Testing Complete



**MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER
POST-REMEDATION FOLLOW-UP TESTING 2019**

November 13, 2019

Executive Summary:
Diamond Elementary School
4 Marquis Drive,
Gaithersburg, MD 20878

Round of Testing:	Post-Remediation Follow-up
Sample Date	02/05/2019
# of Outlets Tested:	1
# of Outlets \geq 5 ppb:	1
Low Value (ppb):	18.8
High Value (ppb):	18.8

Project Status

Testing Complete: Post-remediation follow-up testing completed for the following rooms:

Classroom 122 – Outlet (M11045) will have signage affixed.



November 13, 2019

Mr. Brian Mullikin
Environmental Team Leader
Montgomery County Public Schools
8301 Turkey Thicket Drive
Building A, First Floor
Gaithersburg, Maryland 20879

Re: Lead in Water Post-Remediation Follow-up Testing Service

Location: Diamond Elementary School
4 Marquis Drive,
Gaithersburg, MD 20878

Dear Mr. Mullikin:

Intertek-PSI, Inc. is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of post-remediation lead in water testing at Diamond Elementary School, located at 4 Marquis Drive, Gaithersburg, MD 20878.

Scope of Services:

One (1) drinking water outlet was remediated at Diamond Elementary School due to initial levels that exceeded the lead action level of 5 parts per billion (ppb). Intertek-PSI conducted lead in water post-remediation follow-up testing in accordance with the Maryland Code of Regulations (COMAR) 26.16.07-Lead in Drinking Water – Public and Nonpublic Schools.

Intertek-PSI visited the site on 02/05/2019 to collect post-remediation follow-up samples from 1 outlet that had been replaced. 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:

The initial, flush, and post-remediation follow-up results are highlighted in the summary table below:



Barcode ID	Room Number	Location	Notes	Equipment Type	Initial (ppb)	Flush (ppb)	Post-Remediation Follow-up (ppb)	Post-Remediation Follow-up Pass/Fail	Status
M11045	122	Classroom		Faucet	163.0	<1.0	18.8	Fail	Post-remediation follow-up testing complete. Outlet will have signage affixed

*ppb = parts per billion

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,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Nan Lin
Department Manager, Environmental Services
Nan.Lin@intertek.com



MONTGOMERY COUNTY PUBLIC SCHOOLS DRINKING WATER TESTING 2018

June 12, 2018

Executive Summary:
Diamond Elementary School
4 Marquis Dr,
Gaithersburg, MD 20878

Round of Testing:	Initial
# of Outlets Tested:	86
# of Outlets \geq 20 ppb:	1
Low Value (ppb):	< 1.0
High Value (ppb):	163.0
Follow-Up Testing Required (Samples \geq 20 ppb):	Room 122 (163.0 ppb)

Round of Testing:	Follow-Up – 30 sec draw
# of Outlets Tested:	1

Project Status
Testing Complete: Remediation Plan

Classroom 122– Replace fixture (M29110), in addition to supply line and valve located under sink



June 12, 2018

Mr. Brian Mullikin
Environmental Team Leader
Montgomery County Public Schools
8301 Turkey Thicket Drive
Building A, First Floor
Gaithersburg, Maryland 20879

Re: Lead in Water Testing Service

Location: Diamond Elementary School
4 Marquis Drive,
Gaithersburg, MD 20878

Dear Mr. Mullikin:

Professional Services Industries (PSI), Inc. is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of initial lead in water testing at Diamond Elementary School, located at 4 Marquis Drive, Gaithersburg, MD 20878.

Scope of Services:

PSI conducted lead in water testing at Diamond 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.

PSI visited the site on 4/17/18 and 4/18/18 to collect samples from 86 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. One 30 second follow-up sample was collected on 5/16/18.

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 was one result of the initial lead in water analysis at or above 20 parts per billion (ppb) and subsequent follow up 30 second results are highlighted in the summary table below:



Barcode ID	Sample Location	Date Collected	Initial Sample Result (ppb)	Date Collected	30 Second Follow Up Sample Result (ppb)
M11045	Classroom 122	4/18/18	163.0	5/16/18	<1.0

*ppb = parts per billion
 ND = Non Detect

The initial lead in water sample results (4/18/18) and 30 second follow up results (5/16/18) 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,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Nand Kaushik, P.E.
 Department Manager, Environmental Services
Nand.Kaushik@psiusa.com

Attachments: A – Lead in Water Test Summary Table

ATTACHMENT A

Diamond ES Water Test Summary Table

Contractor: Professional Services Industries, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Initial Sample Results for Diamond Elementary School (4/18/18)

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW01510	109	Classroom		Faucet	7.4	Pass	Testing Complete
LW01512	104	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01513	104	Classroom		Bubbler - Indoor	2.1	Pass	Testing Complete
LW01514	140	Classroom		Faucet	3.3	Pass	Testing Complete
LW01515	140	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW02375		All Purpose Room		Cooler	<1.0	Pass	Testing Complete
LW02376	147	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02377	100A	Health Room Administration		Faucet	5.3	Pass	Testing Complete
LW02378	100A	Health Room Administration		Bubbler - Indoor	10.4	Pass	Testing Complete
LW02379		Hallway	Right Of 156B	Cooler	<1.0	Pass	Testing Complete
LW02380		Hallway	Next To 160	Cooler	<1.0	Pass	Testing Complete
LW02381		Hallway	Next To 160	Cooler	<1.0	Pass	Testing Complete
LW02382	164	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02383	164	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02384	174	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02385	174	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02386	176	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02387	176	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02388	179	Office		Faucet	<1.0	Pass	Testing Complete
LW02389	179	Office		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02390	183	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02391	183	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW02392		Hallway	In Front Of 132	Cooler	<1.0	Pass	Testing Complete
LW02393	170	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02394	178	Language Office		Faucet	<1.0	Pass	Testing Complete
LW02395	178	Language Office		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02396	181	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02397	181	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02398	187	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02399	187	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02400	189	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02401	189	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02402	129	Classroom		Faucet	7.7	Pass	Testing Complete
LW02404	131	Classroom		Faucet	3.7	Pass	Testing Complete
LW02405		Hallway	Across From Cr 109	Cooler	<1.0	Pass	Testing Complete
LW02406	126	Classroom		Faucet	7.6	Pass	Testing Complete
LW02407	126	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02408	128	Classroom		Faucet	5.3	Pass	Testing Complete
LW02409	130	Classroom		Faucet	11.7	Pass	Testing Complete
LW02410	130	Classroom		Bubbler - Indoor	2.1	Pass	Testing Complete
LW06778	108	Classroom		Faucet	3.0	Pass	Testing Complete
LW06779	108	Classroom		Bubbler - Indoor	4.8	Pass	Testing Complete
LW06780	105	Classroom		Faucet	4.3	Pass	Testing Complete
LW06781	105	Classroom		Bubbler - Indoor	6.6	Pass	Testing Complete
LW06782	141	Classroom		Faucet	11.9	Pass	Testing Complete
LW06783		Hallway	Next To 142	Cooler	<1.0	Pass	Testing Complete
LW06784	142	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06785	142	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW09065	150	Kitchen		Faucet	1.1	Pass	Testing Complete
LW09066	150	Kitchen		Faucet	18.7	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW09067	150	Kitchen		Faucet	1.3	Pass	Testing Complete
LW09068	150	Kitchen		Faucet	3.5	Pass	Testing Complete
LW09069	150	Kitchen		Faucet	2.1	Pass	Testing Complete
LW09071	166	Break Room		Faucet	<1.0	Pass	Testing Complete
LW09072	166	Break Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW09073	170	Classroom		Faucet	<1.0	Pass	Testing Complete
M10999	100C	Work Room Administration		Faucet	5.7	Pass	Testing Complete
M11009	106	Classroom		Faucet	3.1	Pass	Testing Complete
M11010	106	Classroom		Bubbler - Indoor	2.3	Pass	Testing Complete
M11011	107	Classroom		Faucet	1.1	Pass	Testing Complete
M11012	107	Classroom		Bubbler - Indoor	2.2	Pass	Testing Complete
M11029	116	Classroom		Faucet	7.8	Pass	Testing Complete
M11031	113	Classroom		Faucet	18.2	Pass	Testing Complete
M11033	115	Classroom		Faucet	5.5	Pass	Testing Complete
M11034	115	Classroom		Bubbler - Indoor	3.6	Pass	Testing Complete
M11035	117	Classroom		Faucet	4.4	Pass	Testing Complete
M11036	7	Classroom		Bubbler - Indoor	4.4	Pass	Testing Complete
M11037	118	Classroom		Faucet	12.6	Pass	Testing Complete
M11038	118	Classroom		Bubbler - Indoor	2.7	Pass	Testing Complete
M11039	121	Classroom		Faucet	10.9	Pass	Testing Complete
M11041	123	Classroom		Faucet	6.2	Pass	Testing Complete
M11042	123	Classroom		Bubbler - Indoor	6.7	Pass	Testing Complete
M11043	120	Classroom		Faucet	6.4	Pass	Testing Complete
M11044	120	Classroom		Bubbler - Indoor	4.7	Pass	Testing Complete
M11045	122	Classroom		Faucet	<1.0	Pass	Testing Complete
M11045	122	Classroom		Faucet	7.5	Pass	Testing Complete
M11045	122	Classroom		Faucet	163.0	Fail	Follow-Up Testing Needed
M11054	128	Classroom		Bubbler - Indoor	2.7	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M11069	132	Classroom		Faucet	1.1	Pass	Testing Complete
M11070	132	Classroom		Bubbler - Indoor	3.0	Pass	Testing Complete
M11071	133	Classroom		Faucet	5.6	Pass	Testing Complete
M11072	133	Classroom		Bubbler - Indoor	4.9	Pass	Testing Complete
M11075	135	Classroom		Faucet	3.9	Pass	Testing Complete
M11076	135	Classroom		Bubbler - Indoor	4.9	Pass	Testing Complete
M11080	139	Support Room		Faucet	18.1	Pass	Testing Complete
M11083	143	Classroom		Faucet	2.5	Pass	Testing Complete
M11095		Music		Faucet	7.0	Pass	Testing Complete

*ppb = parts per billion

Contractor: Professional Services Industries, Inc.
Certified Laboratory: Microbac Laboratories, Inc.

Follow Up Sample Results for Diamond Elementary School (5/16/18)

Barcode ID	Room Number	Location	Equipment Type	Initial draw (2 nd) (PPB)	30 Second Draw (PPB)	Status
M11045	122	Classroom	Faucet	7.5	<1.0	Remediation required – replace fixture, in addition to supply line and valve located under sink

*ppb = parts per billion
ND = Non Detect

Note: Fixture(s) with elevated test results were immediately removed from service. Subsequent 2nd round testing was performed on these fixture(s) for further diagnostics for remediation. Because the fixture was shut off after the first test, the subsequent test results may not be representative of an in-use fixture because of stagnant water in the supply line and the operation of shut off valves prior to the tests. All fixtures with elevated test results are to be remediated. After remediation, post remediation testing will be conducted before the fixture is returned to service.