Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S)
Carrie Weedon Early Education Center (EEC)

ELEVATED LEAD WATER SAMPLE RESULT(S)
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. On October 25, 2018**, twenty-eight (28)** lead water samples were collected from **Carrie Weedon EEC**. Of these lead water samples, one (1) had a level of lead exceeding the action level of 20 parts per billion (ppb) for lead in drinking water in school buildings. The elevated lead result from the sample(s) collected at Carrie Weedon EEC was as follows:

Sample Number 000025-Kitchen Sink (next to 116A Wash/Office) Hand Sink: 37.7 ppb (non-consumable).

ACTION LEVEL (AL)
The AL is 20 ppb for lead in drinking water in school buildings. The AL is the concentration of lead which, if exceeded, triggers required remediation.

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, and cosmetics, exposure in the work place and exposure from certain hobbies, brass faucets, fittings, and valves. 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.

IMMEDIATE ACTIONS TAKEN

1. One (1) non-consumable water source consisting of a hand sink and will be retested and posted with green signage indicating "Hand Washing Only".

NEXT STEPS

1. One (1) non-consumable water source consisting of a hand sink will be replaced and retested in accordance with the regulations.

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 Chris Williams, Environmental Issues Program Manager, at 410-360-0138. 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. 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.

MARTEL

AACPS - Operations Division
9034 Ft. Smallwood Road

Pasadena, MD 21122

Attention: Chris Williams; Brian Wells

Monday, November 26, 2018

Certificate of Analysis

FINAL

Report for Lab No: 40058.
Carrie Weedon EEC
Sampling by regulation to Maryland House Bill 270 - Lead in Drinking Water
P.O. Number: PO 9212
Sampling by Martel personnel on October 25, 2018.

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000001	Health Room Hand Sink (HS) [NO--C]	10/25/2018 07:02

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.75	ug/l	EPA .200.8	2	11/20/2018 16:33 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000002	Health Room BR HS [BS--NC]	10/25/2018 07:02

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	19.4	ug/l	EPA .200.8	2	11/20/2018 16:41 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000003	Staff Bathroom (BR)-(outside main office) HS [BS--NC]	10/25/2018 07:03

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	11/20/2018 16:43 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000004	103 HS [CR--NC]	10/25/2018 07:04

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.17	ug/l	EPA .200.8	2	11/20/2018 16:46 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000005	103 Bubbler (B) [DF--C]	10/25/2018 07:04

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.99	ug/l	EPA .200.8	2	11/20/2018 16:49 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000006	103-BR HS [BS--NC]	10/25/2018 07:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial

MARTEL NO. 40058 000006 — CLIENT SAMPLE IDENTIFICATION: 103-BR HS [BS--NC] — Sample Date/Time: 10/25/2018 07:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.15	ug/l	EPA .200.8	2	11/20/2018 16:51 CSG

MARTEL NO. 40058 000007 — CLIENT SAMPLE IDENTIFICATION: Boys BR-Main Hall HS-Left (L) [BS--NC] — Sample Date/Time: 10/25/2018 07:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.09	ug/l	EPA .200.8	2	11/20/2018 16:54 CSG

MARTEL NO. 40058 000008 — CLIENT SAMPLE IDENTIFICATION: Boys BR-Main Hall HS-Center (C.) [BS--NC] — Sample Date/Time: 10/25/2018 07:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.03	ug/l	EPA .200.8	2	11/20/2018 16:56 CSG

MARTEL NO. 40058 000009 — CLIENT SAMPLE IDENTIFICATION: Boys BR-Main Hall HS-Right (R.) [BS--NC] — Sample Date/Time: 10/25/2018 07:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	16.6	ug/l	EPA .200.8	2	11/20/2018 16:59 CSG

MARTEL NO. 40058 000010 — CLIENT SAMPLE IDENTIFICATION: Hall Fountain (across 106) Drinking Fountain (DF) [DF--C] — Sample Date/Time: 10/25/2018 07:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	14.7	ug/l	EPA .200.8	2	11/20/2018 17:01 CSG

MARTEL NO. 40058 000011 — CLIENT SAMPLE IDENTIFICATION: 106 HS [CR--NC] — Sample Date/Time: 10/25/2018 07:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.82	ug/l	EPA .200.8	2	11/20/2018 17:11 CSG

MARTEL NO. 40058 000012 — CLIENT SAMPLE IDENTIFICATION: 106 B [DF--C] — Sample Date/Time: 10/25/2018 07:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.73	ug/l	EPA .200.8	2	11/20/2018 17:16 CSG

MARTEL NO. 40058 000013 — CLIENT SAMPLE IDENTIFICATION: 107 HS [CR--NC] — Sample Date/Time: 10/25/2018 07:11

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.33	ug/l	EPA .200.8	2	11/20/2018 17:19 CSG

MARTEL NO. 40058 000014 — CLIENT SAMPLE IDENTIFICATION: 107 B [DF--C] — Sample Date/Time: 10/25/2018 07:11

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.36	ug/l	EPA .200.8	2	11/20/2018 17:21 CSG

MARTEL NO. 40058 000015 — CLIENT SAMPLE IDENTIFICATION: 108 HS [CR--NC] — Sample Date/Time: 10/25/2018 07:12

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.54	ug/l	EPA .200.8	2	11/20/2018 17:24 CSG

MARTEL NO. 40058 000016 — CLIENT SAMPLE IDENTIFICATION: Girls BR (next to 109 L.T.) HS-L [BS--NC] — Sample Date/Time: 10/25/2018 07:13

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	16.2	ug/l	EPA .200.8	2	11/20/2018 17:26 CSG

MARTEL NO. 40058 000017 — CLIENT SAMPLE IDENTIFICATION: Girls BR (next to 109 L.T.) HS-C [BS--NC] — Sample Date/Time: 10/25/2018 07:13

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.01	ug/l	EPA .200.8	2	11/20/2018 17:29 CSG

MARTEL NO. 40058 000018 — CLIENT SAMPLE IDENTIFICATION: Girls BR (next to 109 L.T.) HS-R [BS--NC] — Sample Date/Time: 10/25/2018 07:13

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.86	ug/l	EPA .200.8	2	11/20/2018 17:31 CSG

MARTEL NO. 40058 000019 — CLIENT SAMPLE IDENTIFICATION: 111 HS [CR--NC] — Sample Date/Time: 10/25/2018 07:14

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.77	ug/l	EPA .200.8	2	11/20/2018 17:34 CSG

MARTEL NO. 40058 000020 — CLIENT SAMPLE IDENTIFICATION: 111 B [DF--C] — Sample Date/Time: 10/25/2018 07:14

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.29	ug/l	EPA .200.8	2	11/20/2018 17:37 CSG

MARTEL NO. 40058 000021 — CLIENT SAMPLE IDENTIFICATION: 112 HS [CR--NC] — Sample Date/Time: 10/25/2018 07:16

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	15.6	ug/l	EPA .200.8	2	11/20/2018 16:08 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000022	112 B [DF--C]	10/25/2018 07:16

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	9.08	ug/l	EPA .200.8	2	11/20/2018 16:10 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000023	113 HS [CR--NC]	10/25/2018 07:18

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.12	ug/l	EPA .200.8	2	11/20/2018 16:13 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000024	113 B [DF--C]	10/25/2018 07:18

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.94	ug/l	EPA .200.8	2	11/20/2018 16:16 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000025	Kitchen Sink (next to 116A Wash/Office) HS [KS--NC]	10/25/2018 07:19

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	37.7	ug/l*	EPA .200.8	2	11/20/2018 16:18 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000026	Kitchen Tri-Sink Sink-L [KS--C]	10/25/2018 07:20

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	10.4	ug/l	EPA .200.8	2	11/20/2018 16:21 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000027	Kitchen Tri-Sink Sink-R [KS--C]	10/25/2018 07:20

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.79	ug/l	EPA .200.8	2	11/20/2018 16:23 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40058	000028	Kitchen Sink (Left of tri-sink) Sink [KS--C]	10/25/2018 07:21

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.41	ug/l	EPA .200.8	2	11/20/2018 16:26 CSG

Martel Laboratories *JDS* **Inc.**

1025 Cromwell Bridge Road - Baltimore, Maryland 21286
PH 410-825-7790 FAX 410-821-1054 EMAIL: martel@martellabs.com

Notes and references:

SM="Standard Methods for the Examination of Water and Wastewater", American Public Health Association, American Water Works Association, and Water Environment Federation. Year in method code is approved date. 40CFR141=U.S. "Code of Federal Regulations", Title 40, Protection of the Environment, Part 141, National Primary Drinking Water Regulations.

* results exceeded 20.5 ug/l.

All samples tested were in acceptable condition, unless otherwise noted.
The results presented herein relate only to the samples or items tested.

Project Manager

MARTEL Chain of Custody Record

Martel Laboratories JDS Inc., 1025 Cromwell Bridge Rd., Baltimore, MD 21286, (410) 825-7790, FAX (410) 821-1054, email: martel@martellabs.com

Anne Arundel County Public Schools Drinking Water Lead Testing

Bottle Type: 250 ml plastic, preserved with HNO3 Analysis: Lead (EPA 200.8)

Start Date/Time: 10-25-18 7:02 End Date/Time: 10-25-18 7:21

Sampler/Relinquished By: Amanda Chaplin Received at Martel by _____ Date/Time: 10-25-18 12:30

Carrie Weedon EEC Martel No. 40058

911 Galesville Rd Galesville, MD 20765

ALL OUTLET WERE FLUSHED THE NIGHT BEFORE SAMPLING BETWEEN THE HOURS OF 8PM AND 9PM

Sample #	Room #	Fixture Type (Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, etc.)	Outlet Key Codes	Consumption C or NC?	Time/notes
1	Health Room	Hand Sink (HS)	NO	C	7:02
2	Health Room BR	HS	BS	NC	↓
3	Staff Bathroom (BR)-(outside main office)	HS	BS	NC	7:03
4	103	HS	CR	NC	7:04
5	103	Bubbler (B)	DF	C	↓
6	103-BR	HS	BS	NC	7:05
7	Boys BR-Main Hall	HS-Left (L)	BS	NC	7:06
8	Boys BR-Main Hall	HS-Center (C.)	BS	NC	↓
9	Boys BR-Main Hall	HS-Right (R.)	BS	NC	↓
10	Hall Fountain (across 106)	Drinking Fountain (DF)	DF	C	7:08
11	106	HS	CR	NC	7:09
12	106	B	DF	C	↓
13	107	HS	CR	NC	7:11
14	107	B	DF	C	↓
15	108	HS	CR	NC	7:12
16	Girls BR (next to 109 L.T.)	HS-L	BS	NC	7:13
17	Girls BR (next to 109 L.T.)	HS-C	BS	NC	↓
18	Girls BR (next to 109 L.T.)	HS-R	BS	NC	↓
19	111	HS	CR	NC	7:14
20	111	B	DF	C	↓
21	112	HS	CR	NC	7:16
22	112	B	DF	C	↓
23	113	HS	CR	NC	7:18
24	113	B	DF	C	↓
25	Kitchen Sink (next to 116A Wash/Office)	HS	KS	NC	7:19

Carrie Weedon EEC Martel No. 40058

911 Galesville Rd Galesville, MD 20765

26	**Kitchen Tri-Sink**	**Sink-L**	KS	C	7:20
27	**Kitchen Tri-Sink**	**Sink-R**	KS	C	↓
28	**Kitchen Sink (Left of tri-sink)**	**Sink**	KS	C	7:21