

WEST MILFORD PUBLIC SCHOOLS

46 Highlander Drive, West Milford, New Jersey 07480 Phone: 973-697-1700 www.wmtps.org Fax: 973-697-8351

> Alex Anemone, Ed.D. Superintendent

Barbara Francisco Business Administrator/Board Secretary Daniel Novak
Director of Education

Elizabeth McQuaid, OTD Director of Special Services

"Success Star<u>ts Here</u>"

June 27, 2022

West Milford Board of Education Apshawa School 140 Highcrest Drive West Milford, NJ 07480

Dear Apshawa School Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and in compliance with the Department of Education regulations, West Milford Board of Education tested our schools' drinking water for lead in June 2022.

In accordance with the Department of Education regulations, Apshawa School will implement immediate remedial measures for any drinking water outlet with a result greater than the US Environmental Protection Agency established action level of 15 $\mu g/l$ (parts per billion [ppb]) for lead. 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.

Results of our Testing

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 West Milford Board of Education. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 11 samples taken, all but 1 tested below the lead action level of 15 ppb.

The table below identifies the drinking water outlets that tested above 15 ppb for lead, the actual lead level, and what temporary remedial action West Milford Board of Education has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Kitchen 3 bay sink- right	163	Disabled outlet pending results of
faucet Outlet ID # A-22		flushed sample.

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. 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. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

In other words, it is the fetus that is at risk because developing fetuses receive lead from the mother's bones. Children and fetuses absorb more lead into their bodies than adults and are more susceptible to its effects on brain development; however, most children with elevated blood lead levels do not exhibit any symptoms, but effects may appear later in life.

How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like 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 household plumbing. These materials include lead-based solder used to join copper pipes, brass, and chrome-brass faucets, and in some cases, pipes made of or lined with lead.

When water remains in contact with lead pipes or plumbing materials containing lead over time, the lead may dissolve into your drinking water. This means the first water drawn from the tap in the morning, or later in the afternoon if the water has not been used all day, may contain elevated levels of lead.

- Homes and buildings in New Jersey built before 1987 are more likely to have lead pipes and/or lead solder.
- Service lines, which may also contain lead, are the individual pipes that run from the well to a home or building. The property owner may also be the owner of the service line. Lead service lines are not typically found in non-community systems (e.g., school, office, restaurant, or other buildings on their own well).
- Brass faucets, fittings, and valves, including those advertised as "lead-free", may
 also contribute lead to drinking water. The law currently allows end-use brass
 fixtures, such as faucets, that contain a maximum of 0.25 percent lead to be
 labeled as "lead free". However, prior to January 4, 2014, "lead free" allowed up
 to 8 percent lead content of the wetted surfaces of plumbing products including
 those labeled National Sanitation Foundation (NSF) certified. Consumers should
 be aware of their current fixtures and take appropriate precautions.

Lead in Drinking Water

Lead is a common metal found in the environment. Drinking water is one possible source of lead exposure. The main sources of lead exposure are lead-based paint and lead-contaminated dust or soil. In addition, lead can be found in certain types of pottery, pewter, brass fixtures, cosmetics, imported spices and other food. Other sources include exposure in the workplace and exposure from certain hobbies like shooting ranges and fishing (lead can be carried on clothing or shoes). Lead is found in some toys, some playground equipment, and some children's metal jewelry.

EPA estimates that 10 to 20 percent of a person's potential exposure to lead may come from drinking water. Infants who consume mostly formula mixed with lead-containing water may receive 40 to 60 percent of their exposure to lead from drinking water. When there are elevated levels of lead in your water, drinking water is likely to be a more important source of exposure.

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 a.m. and 4 p.m. and are also available on our website at www.wmtps.org. For more information about water quality in our schools, contact Chris Kelly, C.E.F.M., Supervisor of Buildings and Grounds, (973) 697-1700 x 5071.

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 Safe Drinking Water Act hotline at 1-800-426-4791, 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,

Dr. Alex Anemone, Ed.D. Superintendent of Schools



Environmental and Laboratory Services

Dover Location:

90 1/2 West Blackwell St., Dover, NJ 07801 Phone: (973) 989-0010, Fax (973) 989-0156 Marlboro Location:

8A Railroad Ave, Marlboro, NJ 07746

Phone: (732) 308-3500, Fax (732) 308-3503

Date:

June 27, 2022

Client:

Apshawa Elementary School

Address:

140 High Crest Drive

West Milford, NJ 07840

PWSID#:

Project Location:

Sample Matrix: Sample Location: **Drinking Water**

Field Blank

Sampled By:

Client

Sample Date/Time:

6/3/2022 5:31

Analytical Results

Lab Sample Number: 220531052-001

Customer Sample Number:

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Lead-1st Draw	EPA200.8	< 1.00	μg/L	15	6/10/2022	14:19	вм	1	1

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-002

Sample Location:

A-2

Customer Sample Number:

Sampled By:

Client

Sample Date/Time:

c la la ana

6/3/2022 5:43

	The state of the s	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Lead-1st Draw	EPA200.8	1.34	μg/L	15	6/10/2022	14:24	вм	1	1

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-003

Sample Location:

A-3

Customer Sample Number:

Sampled By:

Client

Sample Date/Time:

6/3/2022 5:44

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Lead-1st Draw	EPA200.8	1.19	μg/L	15	6/10/2022	14:54	вм	1	1

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-004

Sample Location:

A-19

Customer Sample Number:

Sampled By:

Client

Sample Date/Time:

6/3/2022 5:56

Lead-1st Draw	EPA200.8	< 1.00	μg/L	15	6/10/2022	14:59	ВM	1	1
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Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor

Sample Matrix:

Sampled By:

Drinking Water

Lab Sample Number: 220531052-005

Sample Location:

A-20

Client

Customer Sample Number:

Sample Date/Time:

6/3/2022 5:47

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Anaryzed		Reporting Limit	Dilution Factor
Lead-1st Draw	EPA200.8	< 1.00	μg/L	15	6/10/2022	15:05	ВM	1	1

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-006

Sample Location:

A-21

Customer Sample Number:

Sampled By:

Client

Sample Date/Time:

6/3/2022 5:48

Lead-1st Draw	EPA200.8	7.83	μg/L	15	6/10/2022	15:30	вм	1	1
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Parameters	Method	Results	Units	NJDEP Limit	Analyzed	Analyzed	Analyst	Limit	Factor
					Date	Time		Reporting	Dilution
								e in the first of the medical state of the s	

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-007

Sample Location:

A-22

Sampled By: Sample Date/Time: Client

6/3/2022 5:49

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Lead-1st Draw	EPA200.8	164 **	μg/L	15	6/17/2022	13:47	вм	2	2

Sample Matrix:

Sampled By:

Drinking Water

Lab Sample Number: 220531052-008

Sample Location:

A-23

Client

Sample Date/Time:

6/3/2022 5:51 **Customer Sample Number:**

Customer Sample Number:

Parameters	Method		Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Lead-1st Draw	EPA200.8	2.06	Ne kana shara shekara Jawa	2.5 L. Damielo S. Combine and A. College and A. College		15:40	ВМ	1	

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-009

Sample Location:

A-27A Fountain

Customer Sample Number:

Sampled By:

Client

Sample Date/Time:

6/3/2022 5:35

Date Time Reporting Dilution NJDEP Parameters Method Units Results Analyst Analyzed Analyzed Limit Factor Limit 6/10/2022 15:46 Lead-1st Draw EPA200.8 3.36 μg/L 15 ВМ

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-010

Sample Location:

A-28A Fountain

Customer Sample Number:

Sampled By:

Client

Sample Date/Time:

6/3/2022 5:33

Parameters	Method	Results	·····	NJDEP Limit	Date Analyzed		gerrete in a terral target a glade la	
				15				

Apshawa Elementary School

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-011

Sample Location:

A-33

Customer Sample Number:

Sampled By:

Sample Date/Time:

Client

6/3/2022 5:36

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Lead-1st Draw	EPA200.8	< 1.00	μg/L	15	6/10/2022	16:11	вм	1	1

Sample Matrix:

Drinking Water

Lab Sample Number: 220531052-012

Sample Location:

A-34

Sampled By:

Client

Customer Sample Number:

Sample Date/Time:

6/3/2022 5:38

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	EPA200.8	< 1.00		45	C 14 0 12 022	40.40	ВМ		
Lead-1st Draw	ErAZUU.6	< 1.00	µg/L	15	6/10/2022	16:16	BIVI	i	1 1

NJ Lab ID# 14013 (Dover) NJ Lab ID# 13033 (Marlboro)

** Result does not meet NJDEP Limits.

NJDEP Limit for free and/or total chlorine does not apply to non-chlorinated samples. Any method followed by an asterisk (*) was analyzed by the Agra-Marlboro laboratory.

All other methods, unless otherwise specified, were analyzed by the Agra-Dover laboratory.

I certify that these samples were analyzed in accordance with procedures approved by the New Jersey Department of Environmental Protection.

Susan VanVeen, Laboratory Manager

June 27, 2022



CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

220531052

PO. Is sample known to be hazardous? (circle one) ö Field Analysis Asc/HCI Vials pH: HCI Vials pH: ਰ ਵ H ž Page 1 of 2 Indicate laboratory location where analysis request was performed SCASON HAUS Cooler Temperature Upon Receipt at lab: Na.5.0, HNO; (50) H.50, unpreserved pH / Temp NaOH other Agra Environmental Services for laboratory use only 90 % West Blackwell Street Phone: (973) 989-0010 ANALYSIS REQUESTED Fax: (973) 989-0156 Invoice Number Dover, NJ 07801 Date Faxed L-Lake Lead-1st Draw P - Poo St. - Studge NIDEP Laboratory Certification (Dover, NJ) #14013 NJDEP Laboratory Certification (Marlboro, NJ) #13033 HNOS HNO3 HINO3 HNO3 HNO3 HINO3 HNO3 HN03 HINO3 HN03 Preservative 0 # of Bottles Report to: Barbara Francisco ww/npw - wastewater (Specify) Other Are these samples for compliance? (circle one): Yes West Milford, NJ, 07840 3 30 MO 30 NO NO No 30 30 30 46 Highlander Drive MO **XintsM** comb **PWSID#** RAW-GW - DW RAW GW Received By: Received By: Received By: Received By: Quap Reduced Z iample Custody Exchanges (Please use full legal signature) Time グジ Collection 3 6/1/22 0/2/22 6/3/23 6012 Date Time: GW - Ground Water Apshawa Elementary School Standard West Milford, NJ, 07840 Phone: Work/Cell | 973-697-1700 ex 5071 Date: Address: 140 High Crest Drive Reporting Requirements (Check Box): Location Customer Contact: Laura Tallia A-28A Fountain DW - Drinking water A-27A Fountain mpled By (name/company): **BOE Lead Sampling** Field Blank west Milliord DOC A-19 A-20 A-22 A-23 A-21 Customer Name: Location: A-3 Scott Hath 20531052-010 20531052-009 atrix Abbreviations: 20531052-008 20531052-006 20531052-001 20531052-002 20531052-003 20531052-004 20531052-005 0531052-007 elinguished By: Unquisped By: linguished By: elinquished By: ample ID roject:

Yes or No

Page 5 of 6



CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

220531052

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	West Milford, NJ, 07840	11, 07840				The state of the s	The state of the s			Phone: (973) 989-0010		T T
Customer Contact: Laura Tallia	: Laura Tallia							-		Fax: (973) 989-0156	# unpreserved	
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latrix Abbreviations: DW	DW - Drinking water G	GW - Ground Water		RAW-GW - DW RAW GW	w Gw	ww/m	WW/NPW - Wastewater		SL-Sludge	P-Pogl L-Lake	Page 2 of 2	of 2.
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