

Play and Learn School

May 2024

RE: Lead In Water Testing Results @ Play and Learn 2 – Tuers Avenue

Dear School Community,

Play and Learn School has completed comprehensive testing of the drinking water outlets as per the New Jersey Department of Education's (NJDOE) emergency rulemaking.

Play and Learn retained the services of Agra Environmental and Laboratory Services to assist with complying with the NJDOE rules. Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection (NJDEP), we completed a plumbing profile for the building. Through this effort, we identified and tested our drinking water and food preparation outlets.

Test Results

None of the tested outlets exceeded the 15 PPB lead action level adopted by the NJDOE. Therefore, no action is required. This criterion adopted by the NJDOE is not a health-based standard.

Health Effects of Lead

High concentrations of lead in drinking water can cause and contribute to health problems. Elevated concentrations of lead in the body can cause damage to the brain and kidneys, and can interfere with red blood cell production. Pregnant women, infants, and children under 6 years of age represent susceptible populations with regard to exposures. At very high levels, acute symptoms can present. Adults with kidney problems and high blood pressure can be chronically affected by low levels of lead more than healthy adults.

Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. USEPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

Everyone in Jersey City receives their water the same way, from the same source, whether they are a school or a residence. The City of Jersey City owns the Jersey City Water System (JCWS) that supplies the municipality. The JCWS is a public water system. The Jersey City Municipal Utilities Authority (JCMUA) operates the sewer and water systems of Jersey City; and the JCMUA has subcontracted the operation of the JCWS to a private entity: Suez Water (formerly United Water Jersey City).

How Lead Enters our Water

Lead is atypical among drinking water contaminants in that it seldom occurs in higher concentrations naturally in water supplies like groundwater, rivers, and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets.

In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning may contain elevated levels of lead.

For More Information

A copy of the test results is available in the office for inspection by the public, including students, teachers, other school personnel, and parents.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at www.epa.gov/lead, call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,



Maureen Hoffman
Director



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: April 26, 2024
Client: Play and Learn School 2
Address: 41 Tuers Avenue
Jersey City, NJ 07306

PWSID#:
Project Location:

Analytical Results

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-001
Sample Location:	Field Blank	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:45		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	< 0.0500	mg/L	1.3	4/24/2024	9:45	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	16:53	BPD	2	1

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-002
Sample Location:	1st Floor BT	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:46		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.104	mg/L	1.3	4/24/2024	9:46	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	17:16	BPD	2	1

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-003
Sample Location:	Room 7 Bottle Filler	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:48		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.210	mg/L	1.3	4/24/2024	9:46	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	17:22	BPD	2	1

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-004
Sample Location:	Triple Sink	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:51		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.101	mg/L	1.3	4/24/2024	9:47	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	17:28	BPD	2	1

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-005
Sample Location:	Hand Sink	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:52		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.221	mg/L	1.3	4/24/2024	9:47	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	17:34	BPD	2	1

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-006
Sample Location:	2nd Floor Bottle Filler	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:54		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.117	mg/L	1.3	4/24/2024	9:48	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	17:40	BPD	2	1

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-007
Sample Location:	1st Sink 2nd Floor BT	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:56		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.0862	mg/L	1.3	4/24/2024	9:48	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	17:46	BPD	2	1

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-008
Sample Location:	3rd Sink 2nd Floor BT	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:57		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.116	mg/L	1.3	4/24/2024	9:49	BPD	0.05	1
Lead-1st Draw	SM3113B	2.18	µg/L	15	4/23/2024	17:52	BPD	2	1

Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-009
Sample Location:	Kitchen Sink Staff Room	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 6:59		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.237	mg/L	1.3	4/24/2024	9:49	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	17:58	BPD	2	1

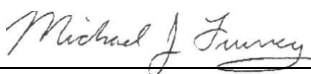
Sample Matrix:	Drinking Water	Lab Sample Number:	240418013-010
Sample Location:	BT Staff Room	Customer Sample Number:	
Sampled By:	T. Bocchino		
Sample Date/Time:	4/19/2024 7:01		

Parameters	Method	Results	Units	NJDEP Limit	Date Analyzed	Time Analyzed	Analyst	Reporting Limit	Dilution Factor
Copper-1st Draw	SM3111B	0.165	mg/L	1.3	4/24/2024	9:50	BPD	0.05	1
Lead-1st Draw	SM3113B	< 2.00	µg/L	15	4/23/2024	18:22	BPD	2	1

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

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.


 Michael J Furrey, President

April 26, 2024



CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

2404180
240418013

Customer Name:	Play and Learn School 2	Report to:	Play and Learn School 2	Agra Environmental Services	#	Asc./HCl Vials	pH:
Location:				90 1/2 West Blackwell Street	#	HCl Vials	pH:
Address:	41 Tuers Avenue			Dover, NJ 07801	#	Na ₂ S ₂ O ₃	Cl ₂ :
	Jersey City, NJ, 07306			Phone: (973) 989-0010	#	HNO ₃ 250 ml	pH: L2
Customer Contact:	Jason Hoffman			Fax: (973) 989-0156	#	H ₂ SO ₄	pH:
Phone: Work/Cell	/ 609-815-9976				#	NaOH	pH:
					#	unpreserved	
					#	other	
					#	other	

Matrix Abbreviations: DW - Drinking water GW - Ground Water RAW-GW - DW RAW GW WW/NPW - Wastewater SL - Sludge P - Pool L - Lake Page 1 of 1

Project: 1st Draw PbCu		Collection		PWSID#		for laboratory use only			Field Analysis		
Sample ID	Location	Date	Time	Grab	Comp	Matrix	# of Bottles	Preservative	ANALYSIS REQUESTED	pH / Temp	Cl ₂ or PO ₄
240418013-001	Field Blank	04/19/24	0645	X		DW	1	HNO3	1st Draw PbCu		
240418013-002	1st Floor BT		0646	X		DW	1	HNO3	1st Draw PbCu		
240418013-003	Room 7 Bottle Filler		0648	X		DW	1	HNO3	1st Draw PbCu		
240418013-004	Triple Sink		0651	X		DW	1	HNO3	1st Draw PbCu		
240418013-005	Hand Sink		0652	X		DW	1	HNO3	1st Draw PbCu		
240418013-006	2nd Floor Bottle Filler		0654	X		DW	1	HNO3	1st Draw PbCu		
240418013-007	1st Sink 2nd Floor BT		0656	X		DW	1	HNO3	1st Draw PbCu		
240418013-008	3rd Sink 2nd Floor BT		0657	X		DW	1	HNO3	1st Draw PbCu		
240418013-009	Kitchen Sink Staff Room		0659	X		DW	1	HNO3	1st Draw PbCu		
240418013-010	BT Staff Room		0701	X		DW	1	HNO3	1st Draw PbCu		

Sampled By (name/company): Tyler Bacchino (Agra) Are these samples for compliance? (circle one): Yes or No DCF

Indicate laboratory location where analysis request was performed

NJDEP Laboratory Certification (Dover, NJ) #14013
 NJDEP Laboratory Certification (Marlboro, NJ) #13033

Reporting Requirements (Check Box): Standard NJ Reduced Other (Specify)

Cooler Temperature Upon Receipt at lab: 1.50c

Sample Custody Exchanges (Please use full legal signature)

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Comments: <u>1800PM</u> @06:45am, 1st draw PbCu (250mL). <u>Preserved @ Lab w/ 1.0mL HNO3 by TB @0945</u>
<u>Tyler Bacchino</u>	<u>04/19/24</u>	<u>0945</u>	<u>[Signature]</u>	<u>4/19/24</u>	<u>1000</u>	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Date Faxed _____
Invoice Number _____

Is sample known to be hazardous? (circle one)
Yes or No