



Perth Amboy Public Schools

Administrative Headquarters Building
178 Barracks Street
Perth Amboy, NJ 08861
(732) 376-6200

Michael LoBrace
Business Administrator
Board Secretary



June 12, 2023

PERTH AMBOY BOARD OF EDUCATION
178 Barracks Street
Perth Amboy, NJ 08861

Dear Perth Amboy Board of Education School Community:

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

In accordance with the Department of Education regulations, Perth Amboy Board of Education (Board Office) will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 µg/l (parts per billion [ppb]). 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.

Testing Results

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 the district. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 6 samples taken, all but 0 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 µg/l for lead, the actual lead level, and what temporary remedial action the Perth Amboy School District has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
N/A	N/A	N/A

Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. 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. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

How Lead Enters our Water



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Lead is unusual among drinking water contaminants in that it seldom occurs 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 containing lead 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 fairly high levels of lead.

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. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

For More Information

For more information about water quality in our schools, contact Carmen Southward, District Director of Operations, at (732) 376-6200.

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,

Michael LoBrace
Business Administrator/Board Secretary
Perth Amboy Board of Education



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

1/20/2022

Phone: (856) 840-8800

Fax: (856) 840-8815

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 1/5/2022. The results are tabulated on the attached data pages for the following client designated project:

21-211 Admin building

The reference number for these samples is EMSL Order #012200664. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry
Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>EnvChemistry2@emsl.com

EMSL Order: 012200664

CustomerID: TTIE54

CustomerPO: 034117

ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 1/5/2022 09:00 AM

Project: 21-211 Admin building

Analytical Results

Client Sample Description 2 ADMIN-SF-SK		Collected: 1/4/2022 8:45:00 AM		Lab ID: 012200664-0001	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.49	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 06:10
Client Sample Description 3 ADMIN-SF-PAY		Collected: 1/4/2022 8:34:00 AM		Lab ID: 012200664-0002	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.90	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 06:17
Client Sample Description 4 ADMIN-SB-2HALL		Collected: 1/4/2022 8:35:00 AM		Lab ID: 012200664-0003	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.65	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 06:19
Client Sample Description 5 ADMIN-SB-3HALL		Collected: 1/4/2022 8:36:00 AM		Lab ID: 012200664-0004	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 06:20
Client Sample Description 6 ADMIN-WC-2HALL		Collected: 1/4/2022 8:38:00 AM		Lab ID: 012200664-0005	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 06:22

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EMSL Order: 012200664

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TTI Environmental Inc.
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Moorestown, NJ 08057

Phone: (856) 840-8800
Fax: (856) 840-8815
Received: 1/5/2022 09:00 AM

Project: 21-211 Admin building

Analytical Results

Client Sample Description FIELD BLANK **Collected:** 1/4/2022 **Lab ID:** 012200664-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/18/2022 KB	1/19/2022 KB 06:23

Definitions:

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results