



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

IGNACIO CRUZ
601 Cortland 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, Ignacio Cruz ECC 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 38 samples taken, all but 3 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
CRUZ-SB-R140 RM140	25.8	Bottled water provided. Posted signage "DO NOT DRINK- SAFE FOR HANDWASHING ONLY" (Installed new Filters, Re-Tested in July 2022- Result <u>Non-Detected</u>)
CRUZ-SB-R107 RM107	39.0 1.48	Bottled water provided. Posted signage "DO NOT DRINK- SAFE FOR HANDWASHING ONLY" (Re-Tested in July 2022 – Results <u>1.48</u>)
CRUZ-SB-R105 RM105	16.3	Bottled water provided. Posted signage "DO NOT DRINK- SAFE FOR HANDWASHING ONLY"

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



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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

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,

A handwritten signature in blue ink, appearing to read "Michael LoBrace", is written over a circular blue stamp.

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

1/27/2022

Phone: (856) 840-8800
Fax: (856) 840-8815

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 1/13/2022. The results are tabulated on the attached data pages for the following client designated project:

21-211/Cruz- Additional Samples

The reference number for these samples is EMSL Order #012200947. 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.

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

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

EMSL Order: 012200947

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: 1/13/2022 01:50 PM

Project: 21-211/Cruz- Additional Samples

Analytical Results

Client Sample Description 3-CRUZ-SB-R140 RM140		Collected: 1/13/2022 7:18:00 AM		Lab ID: 012200947-0001	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	25.8	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 20:35
Client Sample Description 6-CRUZ-SB-R139 RM139		Collected: 1/13/2022 7:19:00 AM		Lab ID: 012200947-0002	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.49	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 20:28
Client Sample Description 7-CRUZ-SB-R137 RM137		Collected: 1/13/2022 7:20:00 AM		Lab ID: 012200947-0003	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 20:38
Client Sample Description 8-CRUZ-SB-R138 RM138		Collected: 1/13/2022 7:21:00 AM		Lab ID: 012200947-0004	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.97	1.00 µg/L	1/21/2022 KB	1/25/2022 KB 20:28
Client Sample Description 9-CRUZ-SB-R136 RM136		Collected: 1/13/2022 7:21:00 AM		Lab ID: 012200947-0005	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.59	1.00 µg/L	1/21/2022 KB	1/25/2022 KB 20:35

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Analytical Results

Client Sample Description		10-CRUZ-SB-R135 RM135	Collected:		1/13/2022 7:22:00 AM	Lab ID:		012200947-0006
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	1.52	1.00 µg/L		1/24/2022	KB	1/25/2022 20:40	JW

Client Sample Description		11-CRUZ-SB-R133 RM133	Collected:		1/13/2022 7:24:00 AM	Lab ID:		012200947-0007
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	8.94	1.00 µg/L		1/24/2022	KB	1/25/2022 20:42	JW

Client Sample Description		12-CRUZ-SB-R134 RM134	Collected:		1/13/2022 7:24:00 AM	Lab ID:		012200947-0008
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	3.05	1.00 µg/L		1/21/2022	KB	1/25/2022 20:37	KB

Client Sample Description		13-CRUZ-SB-R131 RM131	Collected:		1/13/2022 7:25:00 AM	Lab ID:		012200947-0009
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	1.87	1.00 µg/L		1/21/2022	KB	1/25/2022 20:38	KB

Client Sample Description		14-CRUZ-SB-R130 RM130	Collected:		1/13/2022 7:26:00 AM	Lab ID:		012200947-0010
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	7.87	1.00 µg/L		1/24/2022	KB	1/25/2022 20:49	JW

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Project: 21-211/Cruz- Additional Samples

Analytical Results

Client Sample Description		15-CRUZ-SB-R129 RM129	Collected:	1/13/2022 7:30:00 AM	Lab ID:	012200947-0011	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	3.09	1.00 µg/L	1/24/2022	KB	1/25/2022 20:52	JW
Client Sample Description		16-CRUZ-SB-R128 RM128	Collected:	1/13/2022 7:30:00 AM	Lab ID:	012200947-0012	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	3.42	1.00 µg/L	1/24/2022	KB	1/25/2022 20:54	JW
Client Sample Description		17-CRUZ-SB-R127 RM127	Collected:	1/13/2022 7:29:00 AM	Lab ID:	012200947-0013	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	3.28	1.00 µg/L	1/21/2022	KB	1/25/2022 20:40	KB
Client Sample Description		18-CRUZ-SB-R125 RM125	Collected:	1/13/2022 7:31:00 AM	Lab ID:	012200947-0014	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	4.79	1.00 µg/L	1/24/2022	KB	1/25/2022 20:57	JW
Client Sample Description		19-CRUZ-SB-R126 RM126	Collected:	1/13/2022 7:32:00 AM	Lab ID:	012200947-0015	
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	3.44	1.00 µg/L	1/24/2022	KB	1/25/2022 20:59	JW

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Project: 21-211/Cruz- Additional Samples

Analytical Results

Client Sample Description		20-CRUZ-SB-R124 RM124		Collected:	1/13/2022 7:38:00 AM		Lab ID:	012200947-0016	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		1.84	1.00 µg/L		1/24/2022	KB	1/25/2022 21:08	JW

Client Sample Description		21-CRUZ-SB-R123 RM123		Collected:	1/13/2022 7:35:00 AM		Lab ID:	012200947-0017	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		1.94	1.00 µg/L		1/24/2022	KB	1/25/2022 21:01	JW

Client Sample Description		22-CRUZ-SB-R122 RM122		Collected:	1/13/2022 7:35:00 AM		Lab ID:	012200947-0018	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		2.04	1.00 µg/L		1/21/2022	KB	1/25/2022 20:42	KB

Client Sample Description		22A-CRUZ-SB-R121 RM121		Collected:	1/13/2022 7:36:00 AM		Lab ID:	012200947-0019	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		1.04	1.00 µg/L		1/24/2022	KB	1/25/2022 21:11	JW

Client Sample Description		26-CRUZ-SB-R101 RM101		Collected:	1/13/2022 7:37:00 AM		Lab ID:	012200947-0020	
Method	Parameter		Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS									
200.8	Lead		1.07	1.00 µg/L		1/24/2022	KB	1/25/2022 21:18	JW

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Project: 21-211/Cruz- Additional Samples

Analytical Results

Client Sample Description 27-CRUZ-SB-R102 RM102		Collected: 1/13/2022 7:37:00 AM		Lab ID: 012200947-0021	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.25	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 21:20
Client Sample Description 28-CRUZ-SB-R104 RM104		Collected: 1/13/2022 7:38:00 AM		Lab ID: 012200947-0022	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.89	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 21:23
Client Sample Description 29-CRUZ-SB-R103 RM103		Collected: 1/13/2022 7:39:00 AM		Lab ID: 012200947-0023	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.56	1.00 µg/L	1/21/2022 KB	1/25/2022 KB 20:43
Client Sample Description 31-CRUZ-SB-R110 RM110		Collected: 1/13/2022 7:50:00 AM		Lab ID: 012200947-0024	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	11.9	1.00 µg/L	1/21/2022 KB	1/25/2022 KB 20:45
Client Sample Description 32-CRUZ-SB-R109 RM109		Collected: 1/13/2022 7:48:00 AM		Lab ID: 012200947-0025	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.52	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 21:25

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Analytical Results

Client Sample Description 33-CRUZ-SB-R107
RM107
Collected: 1/13/2022 7:46:00 AM
Lab ID: 012200947-0026

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	39.0	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 21:27

Client Sample Description 34-CRUZ-SB-R108
RM108
Collected: 1/13/2022 7:45:00 AM
Lab ID: 012200947-0027

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.03	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 21:30

Client Sample Description 35-CRUZ-SB-R105
RM105
Collected: 1/13/2022 7:42:00 AM
Lab ID: 012200947-0028

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	16.3	1.00 µg/L	1/21/2022 KB	1/25/2022 KB 20:46

Client Sample Description 36-CRUZ-SB-R106
RM106
Collected: 1/13/2022 7:43:00 AM
Lab ID: 012200947-0029

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.01	1.00 µg/L	1/21/2022 KB	1/25/2022 KB 20:48

Client Sample Description 37-CRUZ-SB-R111
RM111
Collected: 1/13/2022 7:52:00 AM
Lab ID: 012200947-0030

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.41	1.00 µg/L	1/21/2022 KB	1/25/2022 KB 20:56

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Analytical Results

Client Sample Description		38-CRUZ-SB-R113 RM113	Collected:		1/13/2022 7:54:00 AM	Lab ID:		012200947-0031
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	6.98	1.00 µg/L		1/21/2022	KB	1/25/2022 21:00	KB

Client Sample Description		39-CRUZ-SB-R114 RM114	Collected:		1/13/2022 7:56:00 AM	Lab ID:		012200947-0032
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	3.77	1.00 µg/L		1/24/2022	KB	1/25/2022 18:24	JW

Client Sample Description		40-CRUZ-SB-R115 RM115	Collected:		1/13/2022 7:59:00 AM	Lab ID:		012200947-0033
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	2.96	1.00 µg/L		1/24/2022	KB	1/25/2022 17:03	JW

Client Sample Description		41-CRUZ-SB-R116 RM116	Collected:		1/13/2022 8:01:00 AM	Lab ID:		012200947-0034
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	1.87	1.00 µg/L		1/24/2022	KB	1/25/2022 17:06	JW

Client Sample Description		42-CRUZ-SB-R117 RM117	Collected:		1/13/2022 8:03:00 AM	Lab ID:		012200947-0035
Method	Parameter	Result	RL Units		Prep Date & Analyst		Analysis Date & Analyst	
METALS								
200.8	Lead	3.32	1.00 µg/L		1/24/2022	KB	1/25/2022 17:08	JW

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Received: 1/13/2022 01:50 PM

Project: 21-211/Cruz- Additional Samples

Analytical Results

Client Sample Description	43-CRUZ-SB-R118 RM118	Collected:	1/13/2022 8:04:00 AM	Lab ID:	012200947-0036
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 17:11

Client Sample Description	46-CRUZ-SB-R119 RM119	Collected:	1/13/2022 8:08:00 AM	Lab ID:	012200947-0037
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.54	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 17:13

Client Sample Description	47-CRUZ-SB-R120 RM120	Collected:	1/13/2022 8:07:00 AM	Lab ID:	012200947-0038
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Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.57	1.00 µg/L	1/24/2022 KB	1/25/2022 JW 17:15

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