NORTH BRUNSWICK TOWNSHIP PUBLIC SCHOOLS
Maple Meade School Building, Old Georges Road
Post Office Box 6016
North Brunswick, N.J. 08902

OFFICE OF BUILDINGS AND GROUNDS
(732) 289-3027 • FAX: (732) 289-3002

March 29, 2019

North Brunswick Early Education Center
244 Cleveland Ave.
Milltown, NJ 08850

Dear North Brunswick Early Childhood Center 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 North Brunswick Township School District tested our schools' drinking water for lead.

In accordance with the NJ Department of Education regulations, North Brunswick Township School District will implement immediate remedial measures for any drinking water outlet with a result greater than the Lead 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.

Results of our Testing

Following guidance provided by the EPA and NJDEP, we completed a limited plumbing profile for each of the buildings within the North Brunswick Township School District (District). Through this effort, we identified and tested all drinking water and food preparation outlets. Of the twenty four (24) samples collected from the Our Lady of Lourdes Facility, all but two (2) tested below the Lead Action Level. The two (2) outlets that were above the Lead Action Level are not in areas of the Lady of Lourdes building that is utilized by the North Brunswick Early Childhood Learning Center and are not accessible to students or staff. Our Lady of Lourdes has been separately notified of the elevations within their building and will address them independently of the District.

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

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

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 8:30 a.m. and 4:00 p.m. and are also available on our website at **www.nbtschools.org**. For more information about water quality in our schools, contact Paul Carroll at the Office of Buildings and Grounds, 732-289-3027.

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,

Paul Carroll
Supervisor of Buildings and Grounds

PRIMIANI, FRANK

From: Conor Tarleton <ctarleton@gseconsultants.com>
Sent: Monday, July 17, 2017 2:18 PM
To: B4lynch@optimum.net; PRIMIANI, FRANK
Cc: Jane Boogaert
Subject: Our Lady of Lourdes Lead Testing Results
Attachments: image001.jpg; NBTECC - Lourdes Results Letter for NB.docx; Our Lady of Lourdes 6743 Lead results 7-6-17.pdf; Our Lady of Lourdes 6743 Lead results 6-21-17.pdf; Our Lady of Lourdes 6743 Lead COC 7-6-17.pdf; Our Lady of Lourdes 6743 Lead COC 6-21-17.pdf

Good Afternoon,

We received and reviewed the lead in drinking water laboratory results from sampling that occurred on 6/21/17 at NBTECC/Our Lady of Lourdes.

Most of the samples had no to low levels of lead and were well below the Lead Action Level. All of the samples located in the parts of the building that North Brunswick School District has access to were below the lead action level.

Two (2) of the tested outlets in parts of the building not used by North Brunswick School District did show elevated levels of lead greater than the NJDOE Lead Action Level of 15PPB as described below (Only one was a drinking water outlet):

School	Location	Fixture Type	Lead Concentration (PPB)	Code	Notes
Our Lady of Lourdes - NBTECC	Boiler Room	Spigot	34.9	OL-B-WM-01A	High Pressure Spigot near the water main. **NOT** a drinking water outlet.
Our Lady of Lourdes - NBTECC	Café by Pepsi Fridge	Bubbler Fountain	37.2	OL-B-B-02A	`Only drinking water outlet above the Lead Action Level.

Based on these findings we recommend that Our Lady of Lourdes immediately take this one (1) drinking water fixture out of service and post signage. The 'Flush' or 'B' Sample results for the two elevated outlets are also attached. They show a significant decrease in lead elevation for the café fountain, but the lead elevation remained steady/elevated at the boiler room outlet.

All the results must be made available to the public and the DOE in the next 24 hours by the North Brunswick School District. I have attached a letter sample which requires minor edits from you. This letter shall supplement the results to further explain that the two high lead elevations were not in parts of the building being used by the North Brunswick School District. All results should be sent to the NJDOE through the following email: leadtesting@doe.state.nj.us

Should you have any questions, feel free to give us a call.

Thank You,

Conor W. Tarleton, BS
Industrial Hygienist
Garden State Environmental, Inc.
555 So. Broad St. Suite K
Glen Rock, New Jersey 07452
201-652-1119 - Office
201-652-0612 - Fax
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GSE GARDEN STATE ENVIRONMENTAL

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ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.
555 S Broad St. Ste. K
Glen Rock NJ 07452

Client: GAR373

Report Date: 7/14/2017
Report No.: 540804 - Lead Water
Project: Our Lady of Lourdes-Flush Samples
Project No.: 6743

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 6282142 **Client No.:** OL-B-WM-01B	**Location:** Boiler Rm	**Result(ppb):** 33.2
Lab No.: 6282143 **Client No.:** OL-B-WM-02B	**Location:** Cafe By Pepsi Fridge	**Result(ppb):** 3.40
Lab No.: 6282144 **Client No.:** OL-6-21-FBB	**Location:** Field Blank	**Result(ppb):** <2.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 7/7/2017
Date Analyzed: 07/14/2017
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Client: GAR373

Report Date: 7/14/2017
Report No.: 540804 - Lead Water
Project: Our Lady of Lourdes-Flush Samples
Project No.: 6743

Appendix to Analytical Report:

Customer Contact: Lab Reports
Analysis: AAS-GF - ASTM D3559-08D, USEPA 40CFR 141.11B, 2010

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL OfficeManager: cdavis@iatl.com
iATL Account Representative: Pete Lesniak
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

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iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:
- ASTM D3559-08D, USEPA 40CFR 141.11B, 2010
- USEPA 200.9Pb, AAS-GF, RL <2 ppb/sample
- USEPA SW 846-7000B:7421 - Pb(AAS-GF, RL <2 ppb/sample)

Certification:
- NYS-DOH No. 11021
- NJDEP No. 03863

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B: Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 µg/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 2.0 PPB

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com.**

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.

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CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.
555 S Broad St. Ste. K
Glen Rock NJ 07452

Client: GAR373

Report Date: 7/5/2017
Report No.: 539725 - Lead Water
Project: Our Lady of Lourdes
Project No.: 6743

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No. / Client No.	Location	Result(ppb)
Lab No.:6268874 / Client No.:OL-B-WM-01A	Boiler Room	34.9
Lab No.:6268875 / Client No.:OL-B-S-01A	Men's Bathroom Left Sink	8.60
Lab No.:6268876 / Client No.:OL-B-S-02A	Men's Bathroom Right Sink	3.30
Lab No.:6268877 / Client No.:OL-B-S-03A	Women's Bath Left Sink	9.60
Lab No.:6268878 / Client No.:OL-B-S-04A	Women's Bath Right Sink	7.90
Lab No.:6268879 / Client No.:OL-B-B-01A	Cafeteria by Window	11.1
Lab No.:6268880 / Client No.:OL-B-B-02A	Cafeteria by Pepsi Fridge	37.2
Lab No.:6268881 / Client No.:OL-B-S-05A	Kitchen, 3 Comp Single Sink	8.60
Lab No.:6268882 / Client No.:OL-1-B-03A	Gym	9.50
Lab No.:6268883 / Client No.:OL-1-S-06A	Nurse	2.20
Lab No.:6268884 / Client No.:OL-1-S-07A	Room II (Faculty)	<2.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/22/2017
Date Analyzed: 07/05/2017
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Report Date: 7/5/2017
Report No.: 539725 - Lead Water
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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No. / Client No.	Location	Result(ppb)
Lab No.:6268885 Client No.:OL-1-S-08A	Main Office	<2.00
Lab No.:6268886 Client No.:OL-1-B-04A	Across from Room 10	11.7
Lab No.:6268887 Client No.:OL-1-B-05A	Across from Room 6	6.50
Lab No.:6268888 Client No.:OL-1-S-09A	Main Floor by Room Left Sink	<2.00
Lab No.:6268889 Client No.:OL-1-S-10A	Main Floor Boys Bathroom Right Sink	<2.00
Lab No.:6268890 Client No.:OL-1-S-11A	Main Floor Boys Bathroom Left Sink	<2.00
Lab No.:6268891 Client No.:OL-1-S-12A	Main Floor Girls Bathroom Right Sink	<2.00
Lab No.:6268892 Client No.:OL-1-S-13A	Room 1 Boys Bathroom	2.80
Lab No.:6268893 Client No.:OL-1-S-14A	Room 1 Girls Bathroom	3.40
Lab No.:6268894 Client No.:OL-1-S-15A	Room 1 Main Room	9.20
Lab No.:6268895 Client No.:OL-1-S-16A	Anex Building Adult Bathroom	<2.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/22/2017
Date Analyzed: 07/05/2017
Signature:
Analyst: Chad Shaffer

Approved By:
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Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 6268896 **Location:** Anex Building Child Bathroom Next to Adults **Result(ppb):** <2.00
Client No.: OL-1-S-17A

Lab No.: 6268897 **Location:** Anex Building Child Bathroom Next to Exit **Result(ppb):** 2.50
Client No.: OL-1-S-18A

Lab No.: 6268898 **Location:** Field Blank **Result(ppb):** <2.00
Client No.: OL-6-20-FBA

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/22/2017
Date Analyzed: 07/05/2017
Signature:
Analyst: Chad Shaffer

Approved By:
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Laboratory Director

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iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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