

Parsippany-Troy Hills Township Schools

June 19, 2017

Dear Parents and Staff Members:

Our school district is committed to protecting the health of our students, our staff and you, the parents of our students. To protect our community and be in compliance with the Department of Education regulations, The Parsippany-Troy Hills Township School District has retested your school's drinking water for lead following the new State Department of Education regulations.

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for the **Northvail Elementary School**. Through this effort, we identified and tested all drinking water and food preparation outlets. **Of the 34 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]).**

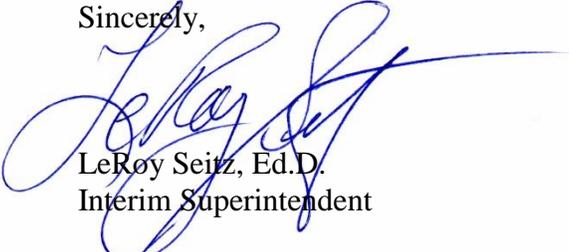
In accordance with the Department of Education regulations, the Parsippany-Troy Hills Township School District has immediately implemented remedial measures for any drinking water outlet with a result greater than the action level of 15 µg/l (parts per billion [ppb]). This includes turning off the outlet 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 has been posted.

The attached tables identify the drinking water outlets that tested above 15 µg/l for lead, the actual lead level, and what temporary remedial action the Parsippany-Troy Hills Township School District has taken to reduce the levels of lead at these locations.

In the coming weeks, we will be working on permanent solutions to maintain a reduced lead level in these areas and conduct follow up testing. Only after appropriate permanent remedial measures have been completed, follow up testing completed and verification that our water meets or falls below the State requirements of 15µg/l for lead, will the drinking water locations be placed back into full service.

If you would like more information, a copy of the test results is available in the main 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. The results are also available on our website at www.pthsd.k12.nj.us. For more information about water quality in our schools, contact Mr. Tom Gaveglia, Supervisor of Buildings and Grounds at 973-428-7512 ext. 7302. If you are concerned about lead exposure at our school facilities or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood. For 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.

Sincerely,



LeRoy Seitz, Ed.D.
Interim Superintendent



Environmental and Laboratory Services
 90 1/2 West Blackwell St., Dover, New Jersey 07801
 (973) 989-0010 P, (973) 989-0156 F

Analytical Results

Date: May 18, 2017

M. Huber: Parsippany-Troy Hills Public School District
 Address: 160 Old Bloomfield Ave
 Parsippany, NJ 07054

Project: North Vail School

Sample description: Drinking Water / 1st Draw / DWS5219-1
 Sample location: Field Blank
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:29
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2.00 µg/L	15 µg/L	05/04/17	19:37	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-2
 Sample location: Hallway By Gym 01 (Left)
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:30
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	16.9 µg/L	15 µg/L	05/04/17	19:44	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-3
 Sample location: Hallway By Gym 02 (Right)
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:30
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	3.64 µg/L	15 µg/L	05/04/17	19:50	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-4
 Sample location: Nurse
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:32
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	12.6 µg/L	15 µg/L	05/04/17	20:15	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-5
 Sample location: Gym
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:33
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	10.1 µg/L	15 µg/L	05/04/17	20:44	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-6
 Sample location: Room 25 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:34
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.39 µg/L	15 µg/L	05/04/17	20:50	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-7
 Sample location: Room 24 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:36
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	9.51 µg/L	15 µg/L	05/04/17	20:57	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-8
 Sample location: Hallway By Room 23 01 (Left)
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:37
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	6.24 µg/L	15 µg/L	05/04/17	21:03	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-9
 Sample location: Hallway By Room 23 02 (Right)
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:37
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.71 µg/L	15 µg/L	05/04/17	21:10	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-10
 Sample location: Room 23 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:38
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	8.75 µg/L	15 µg/L	05/04/17	21:16	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-11
 Sample location: Room 07 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:54
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	5.81 µg/L	15 µg/L	05/04/17	21:22	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-12
 Sample location: Room 07 Sink
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:55
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	8.05 µg/L	15 µg/L	05/04/17	21:29	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-13
 Sample location: Room 06 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:57
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.98 µg/L	15 µg/L	05/04/17	21:42	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-14
 Sample location: Hallway By Room 12A 01 (L)
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:59
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	7.46 µg/L	15 µg/L	05/04/17	21:48	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-15
 Sample location: Hallway By Room 12A 02 (R)
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:59
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.46 µg/L	15 µg/L	05/04/17	21:55	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-16
 Sample location: Room 12A Sink
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:01
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.56 µg/L	15 µg/L	05/04/17	22:01	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-17
 Sample location: Room 11 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:04
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2.00 µg/L	15 µg/L	05/04/17	22:07	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-18
 Sample location: Room 05 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:05
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.82 µg/L	15 µg/L	05/04/17	22:13	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-19
 Sample location: Room 04 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:06
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.26 µg/L	15 µg/L	05/04/17	22:19	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-20
 Sample location: Room 03 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:07
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.78 µg/L	15 µg/L	05/04/17	22:26	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-21
 Sample location: Room 02 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:08
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.65 µg/L	15 µg/L	05/04/17	22:33	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-22
 Sample location: Room 01 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:09
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	15.4 µg/L	15 µg/L	05/04/17	22:39	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-23
 Sample location: Room 10 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:10
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.74 µg/L	15 µg/L	05/04/17	23:04	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-24
 Sample location: Room 09 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:11
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	8.05 µg/L	15 µg/L	05/04/17	23:34	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-25
 Sample location: Room 12 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 10:03
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	3.51 µg/L	15 µg/L	05/04/17	23:40	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-26
 Sample location: Room 22 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:39
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2.00 µg/L	15 µg/L	05/04/17	23:46	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-27
 Sample location: Room 14 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:40
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	3.76 µg/L	15 µg/L	05/04/17	23:52	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-28
 Sample location: Room 21 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:43
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	5.39 µg/L	15 µg/L	05/04/17	23:58	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-29
Sample location: Room 15 Bubbler
Sampled by: K. Washington
Sample date: 04/14/17
Time: 09:43
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	11.3 µg/L	15 µg/L	05/05/17	00:04	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-30
Sample location: Room 20 Bubbler
Sampled by: K. Washington
Sample date: 04/14/17
Time: 09:44
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	6.39 µg/L	15 µg/L	05/05/17	00:10	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-31
Sample location: Room 19 Bubbler
Sampled by: K. Washington
Sample date: 04/14/17
Time: 09:46
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.12 µg/L	15 µg/L	05/05/17	00:16	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-32
Sample location: Room 18 Bubbler
Sampled by: K. Washington
Sample date: 04/14/17
Time: 09:47
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.87 µg/L	15 µg/L	05/05/17	00:28	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-33
Sample location: Room 17 Bubbler
Sampled by: K. Washington
Sample date: 04/14/17
Time: 09:49
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	5.33 µg/L	15 µg/L	05/05/17	00:34	1	2.00 µg/L

Sample description: Drinking Water / 1st Draw / DWS5219-34
Sample location: Room 16 Bubbler
Sampled by: K. Washington
Sample date: 04/14/17
Time: 09:48
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead (*)	SM3113B	<2.00 µg/L	15 µg/L	05/05/17	00:40	1	2.00 µg/L

Sample description: Drinking Water 1st Draw DWS5219-35
 Sample location: Room 08 Bubbler
 Sampled by: K. Washington
 Sample date: 04/14/17
 Time: 09:52
 Analyst: B. Moraga

Parameter	Method	Sample Result	N.JDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	15.6 µg/L	15 µg/L	05/05/17	00:46	1	200 µg/L

µg/L = micrograms per liter

Field Notes:

(*) Room 16 Bubbler - SMFF101 Aqua Pure filter in place

All testing was done within the required holding time.

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

Susan Van Veen (For SV)
 Susan Van Veen, Lab Manager
 NJ Laboratory Certification ID #: 14013

Date *May 18, 2017*

Northvail Elementary School

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Hallway by Gym Left Side Drinking Fountain Chiller, NES-FC-By Gym 01	16.9	Disconnected Drinking Fountain, Additional Drinking Fountain Located In Hallway
Room 01 Drinking Fountain Bubbler NES-FB-01	15.4	Disconnected Drinking Fountain, Bottled water provided
Room 08, Drinking Fountain Bubbler, NES-FB-08	15.6	Disconnected Drinking Fountain, Bottled water provided

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.