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 <u>Intervale Elementary School</u>. Through this effort, we identified and tested all drinking water and food preparation outlets. <u>Of the 34 samples taken</u>, all but 2 tested below the lead action level established by the <u>US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).</u>

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 μ g/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 μ g/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 15ug/1 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 Gaveglio, 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

Interim Superintendent

LeRoy Seitz, Ed



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 7, 2017

M. Huber:

Parsippany-Troy Hills Public School District

Address:

160 Old Bloomfield Ave Parsippany, NJ 07054

Project:

Intervale School

Sample description:

Drinking Water / In Draw / DWS5232-1

Sample location:

IES-FB-BY RM 07-01

Sampled by:

M. Huber

Sample date: Time:

04/17/17 10:02

Analyst:

M. Furrey

		Sample	NJDEP	0.4			
Parameter	Method			Date	Time	Dilution	Reporting
		Result	Limit	Analyzed	Analyzed	Factor	Limit
Lead	SM3113B	5.88 μg/L	15 μg/L	04/29/17		Lariot	
			12 195	04/27/1/	16:39		2.00 ug/L

Sample description:

Drinking Water / 1" Draw / DWS5232-2

Sample location:

IES-FB-BY RM 07-02 M. Huber

Sampled by:

Sample date:

04/17/17 10:02

Time: Analyst:

М. Гиптеу

		Sample	NIODD				
Parameter	B.R. add	Sample	NJDEP	Date	Time	Dilution	Reporting
	Method	Result	Limit	Analyzed	Analyzed	Factor	
Lead	SM3113B	2.71 µg/L	15 µg/L	04/29/17		Pacior	Limit
			10 200	1 14147/11	16:52		200

Sample description:

Drinking Water / 1st Draw / DWS5232-3

Sample location: Sampled by:

IES-FB-BY RM 07-03

M. Huber

Sample date:

04/17/17

Time:

10:02

Analyst:

M. Furrey

			Comple	l Names				
	Dansmitter		Sample	NJDEP	Date	Time	Dilution	Reporting
Į	Parameter	Method	Result	Limit	Analyzed	1		
- 1	Lead	SM3113B	<2.00 µg/L			Analyzed	Factor	Limit
			<u>√2.00 μβ/C</u>	15 μg/L	04/29/17	16:59	1	2.00 00/7

Sample description:

Drinking Water / 1st Draw / DWS5232-4

Sample location:

IES-FB-08

Sampled by:

M. Huber

Sample date:

04/17/17

Time:

10:06

Analyst:

М. Гиптеу

		Sample	NJDEP	Date	Time	Dilution	Descrit
Parameter	Method	Result	Limit	Analyzed	Analyzed	Factor	Reporting
Lead	SM3113B	8.77 µg/L	15 μg/L	04/29/17	17:05	Factor	Limit 2 00 ug/I

Drinking Water / I* Draw / DWS5232-5

Sample location: Sampled by:

JES-TL-08 M. Huber 04/17/17

Sample date: Time:

10:06

Analyst:

M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution	Reporting
Lead	SM3113B	6.23 μg/L	15 μg/L	04/29/17	17:11	Factor	Limit
-			TT FAG	04/2////	17.11		2.00 µg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-6

Sample location: Sampled by:

IES-FB-10 M. Huber 04/17/17

Sample date: Time:

10:07

Analyst:

M. Furrey

Parameter	Mathad	Sample	NJDEP	Date	Time	Dilution	Reporting
	Method	Result	Limit	Analyzed	Analyzed	Factor	Limit
Lead	SM3113B	7.96 μg/L	15 µg/L	04/29/17	17:17	1	2.00 μg/L

Sample description:

Drinking Water / In Draw / DWS5232-7

Sample location: Sampled by:

IES-FB-12 M. Huber 04/17/17

Sample date: Time:

Analyst:

10:10 M. Furrey

Parameter Me	Sample Result	NJDEP Limit	Date Apalyzed	Time	Dilution	Reporting
Lead SM	3113B 6.62 μg/L	15 µg/L	04/29/17	Analyzed 17:24	Factor	Limit 2.00 ug/L

Sample description:

Drinking Water / In Draw / DWS5232-8

Sample location: Sampled by:

IES-FB-09 M. Huber 04/17/17

Sample date: Time:

Analyst:

10:11 M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time	Dilution	Reporting
Lead (*)	SM3113B	<2.00 μg/L	15 μg/L	04/29/17	Analyzed 17:30	Factor	Limit 2.00 µg/L

Sample description:

Drinking Water / I" Draw / DWS5232-9

Sample location: Sampled by:

IES-FB-14 M. Huber 04/17/17

Sample date: Time: Analyst:

10:11 M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date	Time	Dilution	Reporting
Lead	SM3113B	2.92 μg/L		Analyzed	Analyzed	Factor	Limit
	051132	, 2.72 pg t	15 μg/L	04/29/17	17:36]	2.00 μg/L

Sample description:

Drinking Water / Ist Draw / DWS5232-10

Sample location: Sampled by:

IES-FB-11 M. Huber 04/17/17

Sample date: Time:

10:12

Analyst:

М. Гитеу

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting
Lead	SM3113B	<2.00 μg/L	15 µg/L	04/29/17	17:43	l	Limit 2.00 μg/L

Drinking Water / Ist Draw / DWS5232-11

Sample location:

IES-FB-16

Sampled by: Sample date:

M. Huber 04/17/17

Time: Analyst: 10:13 M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time	Dilution	Reporting
Lead	SM3113B	5.80 µg/L	IS μg/L	04/29/17	Analyzed 18:07	Factor I	Limit 2.00 μg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-12

Sample location: Sampled by:

IES-FB-13 M. Huber 04/17/17

Sample date: Time:

Analyst:

10:13 M. Furrey

Parameter Lead	Method SM3113B	Sample Result 4.15 µg/L	NJDEP Limit 15 µg/L	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
	0112311313	7.13 094	13 have	04/29/17	18:20	1	2.00 ug/L

Sample description:

Drinking Water / 1st Draw / DWS5232-13

Sample location: Sampled by:

IES-FB-17 M. Huber 04/17/17

Sample date: Time:

Analyst:

10:14 M. Furrey

<u>Parameter</u>	Method
Lead	SM3113B

Sample NJDEP Date Time Dilution Reporting Result Limit Analyzed Analyzed **Factor** Limit 6.65 µg/L $15 \mu g/L$ 04/29/17 18:32 2.00 µg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-14

Sample location:

IES-FB-15 Sampled by: M. Huber Sample date: 04/17/17 10:14

Time: Analyst:

М. Гитеу

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting
Lead	SM3113B	7.03 µg/L	15 µg/L	04/29/17	18:43	1	Limit 2.00 μg/L

Sample description:

Drinking Water / 14 Draw / DWS5232-15

Sample location: Sampled by:

IES-FB-07 M. Huber 04/17/17 10:05

Sample date: Time: Analyst:

B. Moraga

Parameter	Method	Sample	NJDEP	Date	Time	Dilution	Reporting
	1	Result	Limit	Analyzed	Analyzed	Factor	Limit
Lead	SM3113B	578 μg/L	15 μg/L	05/04/17	19:31	100	200 μg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-16

Sample location: Sampled by:

IES-SO-07 M. Huber 04/17/17

Sample date: Time:

10:05

Analyst:

М. Гитеу

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	22.6 µg/L	15 µg/L	04/29/17	19:04	2	4.00 μg/L

Drinking Water / 1st Draw / DWS5232-17

Sample location:

IES-FB-NURSE

Sampled by: Sample date: M. Huber 04/17/17

Time: Analyst:

10:17 M. Furrey

Paramete	r Method	Sample Result	NJDEP Limit	Date Analyzed	Time	Dilution	Reporting
Lead	SM3113B	2.76 µg/L	15 μg/L	04/29/17	Analyzed 19:16	Factor	Limit 2.00 ug/L

Sample description:

Drinking Water / 1st Draw / DWS5232-18

Sample location:

IES-MO-NURSE

Sampled by: Sample date:

M. Huber 04/17/17

Time: Analyst:

10:17 M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time	Dilution	Reporting
Lead	SM3113B	<2.00 µg/L	15 µg/L	04/29/17	Analyzed 19:23	Factor I	Limit 2.00 ug/L

Sample description:

Drinking Water / In Draw / DWS5232-19

Sample location: Sampled by:

IES-FB-BY06 M. Huber

Sampled by:

04/17/17 10:18

Time: Analyst:

M. Furrey

Parameter	Method	Sample Result	NJDEP	Date	Time	Dilution	Reporting
Lead	SM3113B		Limit	Analyzed	Analyzed	Factor	Limit
LAGU	GCI I CIVIC	11.0 µg/L	15 µg/L	04/29/17	19:29		2.00 ug/L

Sample description:

Drinking Water / 1st Draw / DWS5232-20

Sample location: Sampled by:

IES-FB-06 M. Huber 04/17/17

Sample date: Time:

04/17/17 10:18

Analyst:

M. Furrey

Domannata	30.49	Sample	NJDEP	Date	Time	Dilution	Reporting
Parameter Lead	Method	Result	Limit	Analyzed	Analyzed	Factor	Limit
LERG	SM3113B	<2.00 µg/L	l5 μg/L	04/29/17	19:35	1	2.00 μg/L

Sample description:

Drinking Water / I" Draw / DWS5232-21

Sample location: Sampled by:

IES-FB-05 M. Huber 04/17/17

Sample date: Time: Analyst:

10:19 M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	5.33 µg/L	15 μg/L	04/29/17	19:41	Pactor	2.00 μg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-22

Sample location: Sampled by: IES-FB-04 M. Huber

Sampled by: Sample date:

04/17/17 10:19

Time: Analyst:

M. Furrey

		Sample	NJDEP	Date	Time	Dilution	Reporting
Parameter	Method	Result	Limit	Analyzed	Analyzed	Factor	Limit
Lead	SM3113B	4.31 µg/L	15 μg/L	04/29/17	19:47	1	2.00 μg/L

Drinking Water / In Draw / DWS5232-23

Sample location:

Sampled by:

IES-FB-03 M. Huber

Sample date: Time:

04/17/17

Analyst:

10:20 M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2.00 µg/L	15 μg/L	04/29/17	19:53	1	2.00 μg/L

Sample description:

Drinking Water / Ist Draw / DWS5232-24

Sample location:

IES-FB-02

Sampled by:

M. Huber 04/17/17

Sample date: Time:

10:20

Analyst:

M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting
Lead	SM3113B	4.52 μg/L	15 µg/L	04/29/17	19:59	i	Limit 2.00 μg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-25

Sample location:

IES-FB-01

Sampled by: Sample date: M. Huber 04/17/17

Time: Analyst:

10:21 M. Furrey

		Sample	NJDEP	Date	m:		
Parameter	Method	Result	Limit		Time	Dilution	Reporting
Lead	SM3113B	<2.00 µg/L		Analyzed	Analyzed	Factor	Limit
	01412 [130	12.00 µg/L	15 μg/L	04/29/17	20:05	1	2.00 ug/L

Sample description:

Drinking Water / In Draw / DWS5232-26

Sample location:

IES-FB-25

Sampled by:

M. Huber

Sample date: Time:

04/17/17 10:22

Analyst:

M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time	Dilution	Reporting
Lead	SM3113B	2.04 µg/L	15 µg/L	04/29/17	Analyzed 20:11	Factor 1	Limit 2.00 μg/L

Sample description:

Drinking Water / I" Draw / DWS5232-27

Sample location:

IES-FB-24

Sampled by:

M. Huber

Sample date:

04/17/17 10:22

Time: Analyst:

M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution	Reporting
Lead	SM3113B	<2.00 µg/L	15 μg/L	04/29/17	20:29	Factor	Limit 2.00 µg/L

Sample description:

Drinking Water / In Draw / DWS5232-28

Sample location:

IES-FB-23

Sampled by:

M. Huber 04/17/17

Sample date: Time:

10:23

Analyst:

М. Гиггеу

		Sample	NJDEP	Date	Time	Dilution	Reporting
Parameter	Method	Result	Limit	Analyzed	Analyzed	Factor	Limit
Lead	SM3113B	<2.00 μg/L	15 μg/L	04/29/17	20:35	0.000	2.00 µg/L

Drinking Water / 1st Draw / DWS5232-29

Sample location:

IES-FB-22 M. Huber

Sampled by: Sample date:

04/17/17 10:23

Time: Analyst:

Parameter

M. Furrey

Method

Lead	SM31	13B

Drinking Water / Ist Draw / DWS5232-30

NJDEP

Limit

15 µg/L

Date

Analyzed

04/29/17

Time

Analyzed

20:41

Dilution

Factor

Reporting

Limit

2.00 μg/L

Sample description: Sample location:

IES-FB-BY RM 101

Sample

Result

<2.00 µg/L

Sampled by: Sample date: M. Huber 04/17/17

Time:

10:25

Analyst:

M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2.00 μg/L	l5 μg/L	04/29/17	20:47	1	2.00 μg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-31

Sample location: Sampled by:

IES-FB-21 M. Huber 04/17/17

Sample date: Time: Analyst:

10:25 M. Furrey

lead SM3112B 3.00 mm/l 15 m		Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting
	Į	Lead	SM3113B	<2.00 μg/L	15 μg/L	04/29/17	21:05	Pactor	Limit 2.00 μg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-32

Sample location: Sampled by:

IES-FB-20 M. Huber 04/17/17

Sample date: Time: Analyst:

10:25 M. Furrey

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting
Lead	SM3113B	<2.00 µg/L	15 µg/L	04/29/17	21:23	1	Limit 2.00 μg/L

Sample description:

Drinking Water / 1st Draw / DWS5232-33

Sample location: Sampled by: Sample date:

IES-FB-19 M. Huber 04/17/17 10:26

Time: Analyst:

M. Furrey

Parameter Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution	Reporting
Lead SM3113B	<2.00 µg/L	15 μg/L	04/29/17	21:35	Factor	Limit 2.00 μg/L

Sample description:

Drinking Water / I" Draw / DWS5232-34

Sample location: Sampled by:

IES-FB-18 M. Huber 04/17/17

Sample date: Time:

10:26 М. Гиптеу

Analyst:

Parameter	B.C. all 2	Sample	NJDEP	Date	Time	Dilution	Reporting
	Method	Result	Limit	Analyzed	Analyzed	Factor	Limit
Lead	SM3113B	<2.00 μg/L	15 μg/L	04/29/17	21:40		2.00 ng/L

Drinking Water 1 1 Draw DWS5232-35

Sample location:

Field Blank

Sampled by:

M. Huber 04/17/17

Sample date: Time:

09:59

Analyst:

M. Furrey

and a composition of the Sa		Sample	NJDEP	Date	Time	Dilution	Reporting	par ne
<u>Parameter</u>	Method	Result	Limit	Analyzed	Analyzed	Factor	Limit	mater in second
Lead	SM3113B	<2.00 µg/L	15 µg/1.	04/29/17	21:46		2.00 µg/L	

jig l. micrograms per liter

Field Notes:

(*) IES-FB-09 - Filter

All testing was done within the required holding time

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

Susan VanVeen, Lab Manager
NJ Laboratory Certification ID # 14013

May 8, 2017

Intervale Elementary School

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Room 07, Drinking Fountain Bubbler IES-FB-07	578	Disconnected Drinking Fountain, Bottled water provided
Room 07, Sink Outlet IES-SO-07	22.6	Disconnected sink

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.