

**BOONTON TOWNSHIP BOARD OF EDUCATION**

11 Valley Road  
Boonton Township, New Jersey 07005

Dr. Christian Angelillo  
Superintendent/Principal

Phone: 973 334-4162 ext. 321  
Fax: 973 316-6956  
Email: cangelillo@rvsnj.org

March 27, 2017

Dear Parents & Staff,

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 Boonton Township School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, the Boonton Township School District 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.

Results of our Testing

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for the Rockaway Valley School. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 34 samples taken, all but 2 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table(s) 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 Boonton Township School District has taken to reduce the levels of lead at these locations.

In the coming weeks, we will be working on solutions to maintain a reduced lead level in these areas and conduct follow up testing. Only after appropriate remedial measures have been completed and follow up testing completed, will the locations be placed back into service.

**Rockaway Valley School**

<b>Sample Location</b>	<b>First Draw Result in µg/l (ppb)</b>	<b>Remedial Action</b>
Room 06 Kitchen Sink RVS-SO-06	15.6	Disconnected Sink, Additional Kitchen Sink in Area. Posted signage "OUT OF SERVICE". Additional Water Fountains located in hallway if needed.
Room 02 Bubblers FVS-FB-02	61.8	Disconnected Bubblers, Posted signage "OUT OF SERVICE". Additional Water Fountains located in hallway.

## 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.

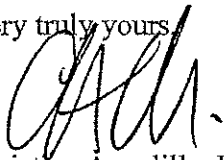
## For More Information

A copy of the test results is available in our Business 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.rvsnj.org](http://www.rvsnj.org). For more information about water quality in our schools, contact Mr. John T. Murray II, School Business Administrator/Board Secretary at 973 334-4162. Ext. 325.

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](http://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 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.

Very truly yours,



Christian Angelillo, Ed.D.  
Superintendent/Principal



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: March 13, 2017  
Client: Rockaway Valley School  
Address: 11 Valley Road  
Boonton, NJ 07005  
PWSID# NJ1401300

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-1  
Sample location: Field Blank  
Sampled by: D. Diaz  
Sample date: 02/23/17  
Time: 07:21  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	14:56	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-2  
Sample location: Corridor C Bubbler by Door D  
Sampled by: D. Diaz  
Sample date: 02/23/17  
Time: 07:45  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:02	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-3  
Sample location: Room 80A Boiler Room Ice Machine  
Sampled by: D. Diaz  
Sample date: 02/23/17  
Time: 07:35  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2 µg/L	15 µg/L	03/06/17	15:09	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-4  
Sample location: Corridor D Bubbler by Rm 33  
Sampled by: D. Diaz  
Sample date: 02/23/17  
Time: 07:27  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:15	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-5  
 Sample location: Room 72 Faculty Room Sink  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 07:28  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:28	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-6  
 Sample location: Room 34 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 07:49  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:34	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-7  
 Sample location: Room 32 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 07:52  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:40	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-8  
 Sample location: Room 30 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 07:54  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:47	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-9  
 Sample location: Room 28 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 07:56  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:53	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-10  
 Sample location: Room 27 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 07:59  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:59	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-11  
 Sample location: Room 26 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:02  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	16:06	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-12  
 Sample location: Room 24 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:04  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	16:12	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-13  
 Sample location: Room 25 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:06  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	16:18	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-14  
 Sample location: Room 22 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:08  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	16:25	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-15  
 Sample location: Room 20 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:10  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	16:50	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-16  
 Sample location: Room 23 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:12  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	17:15	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-17  
 Sample location: Room 21 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:15  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.30 µg/L	15 µg/L	03/06/17	17:21	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-18  
 Sample location: Room 61 Nurse's Sink  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:18  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.21 µg/L	15 µg/L	03/06/17	17:28	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-19  
 Sample location: Main Lobby Chiller by Room 61  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:19  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	17:34	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-20  
 Sample location: Room 60 Admin Suite Sink  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:21  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2 µg/L	15 µg/L	03/06/17	17:41	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-21  
 Sample location: Corridor B Bubbler by Room 08  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:23  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.70 µg/L	15 µg/L	03/06/17	17:47	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-22  
 Sample location: Room 09 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:25  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	17:53	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-23  
 Sample location: Room 14 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:27  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	3.02 µg/L	15 µg/L	03/06/17	18:00	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-24  
 Sample location: Room 13 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:29  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	18:12	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-25  
 Sample location: Room 16 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:32  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	18:19	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-26  
 Sample location: Room 18 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:35  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	18:25	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-27  
 Sample location: Room 19 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:36  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	18:31	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-28  
 Sample location: Room 06 Kitchen Sink  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:41  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	15.6 µg/L	15 µg/L	03/06/17	18:37	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-29  
 Sample location: Room 05 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:43  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.86 µg/L	15 µg/L	03/06/17	18:44	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-30  
 Sample location: Room 03 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:46  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	3.73 µg/L	15 µg/L	03/06/17	18:50	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-31  
 Sample location: Room 04 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:53  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.32 µg/L	15 µg/L	03/06/17	18:57	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-32  
 Sample location: Room 02 Bubbler  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:51  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	61.8 µg/L	15 µg/L	03/06/17	19:09	4	8 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-33  
 Sample location: Room 01 Sink  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 08:50  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	19:28	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-34  
 Sample location: Corridor E Chiller 1 by Room 41  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 07:22  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	19:41	1	2 µg/L



Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4851-35  
 Sample location: Corridor E Chiller 2 by Room 41  
 Sampled by: D. Diaz  
 Sample date: 02/23/17  
 Time: 07:23  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	20:05	1	2 µg/L

µg/L= micrograms per liter

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.

Laurette Young (For SV)  
 Susan VanVeen, Lab Manager  
 NJ Laboratory Certification ID # 14013

March 16, 2017  
 Date