



ISLAND TREES PUBLIC SCHOOLS

Board of Education
516-520-2100

Superintendent
Charles J. Murphy

ADMINISTRATIVE OFFICES, 74 FARMEDGE ROAD, LEVITTOWN, NEW YORK 11756-5202

Dear Island Trees Parents,

In response to the national concerns about lead in school water, the district began testing the drinking/consumption outlets and water fountains for traces of lead. JC Broderick, an environmental consulting and testing firm, has now completed the water testing in all of our schools, the public library and the district office. They assessed the water in accordance with the Environmental Protection Agency (EPA) protocols. Specifically, the EPA testing calls for two draws: a primary draw and then a flush draw after water is run through the tap. Out of the 131 water taps tested, 12 exceeded the EPA "Action Level" (approximately 9% of total tested). In seven (7) of the twelve (12) cases of note, the primary draw was above the recommended EPA limits, but the flush draw was under the established standard. JC Broderick indicated that many of the issues seem to be with the plumbing fixtures rather than with the building pipes. Taking corrective action, the district will remove, replace, and retest all of the areas of concern prior the start of school. As a point of reference, JC Broderick stated that their typical Long Island school client has approximately 5-10% of drinking/consumption outlets that exceed the EPA Action Level. Most importantly, the environmental consultants retained by the school district have informed us that the students and staff have not been exposed to high levels of lead.

Locations which exceeded EPA Action Level (*20 parts per billion or more*) are as follows:

Stokes School, Faucet in Faculty Room (178/21)
Stokes School, Fountain in Room 137 (101/20)
Stokes School, Fountain in Cafeteria (25/5)
Stokes School, Fountain in Room 108 (23/2)
Stokes School, Fountain in Room 101 (32/1)
Island Trees MMS, Fountain in Hallway by Room 164 (43.4/15.6)
Island Trees MMS, Fountain in Hallway by Room 176 (77.6/27.9)
Island Trees MMS, Fountain in Hallway by Room 258 (700/196)
Island Trees MMS, Fountain in Hallway by Room 224 (33.2/7.49)
Sparke School, Faucet/Fountain in Room 227 (26/3)
Sparke School, Faucet/Fountain in Room 129 (54/5)
Island Trees HS, Water Cooler in Hallway by Room 224 (43.6/no second draw for this type of water fountain)

Additionally, the school district elected to change out six (6) areas below EPA Action Level, but between 15-20 parts per billion as an additional measure of drinking/consumption safety for students and staff.

Prior to the national water concerns, the school district budgeted for new water bottle filling stations in each school. These stations will provide filtered, refrigerated water for students and staff. These stations will be added to our school cafeterias in the coming months. After these findings, the district will increase the number of hydration stations planned for each school. In addition, we will continue our daily "water flushing" protocol in all schools, designed to promote the more active flow of our water supply, thereby decreasing the likelihood of lead accumulation. The EPA suggests this is a good practice for drinking water in our homes as well. For additional information about lead in drinking water, please see the EPA's website at <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>.

To ensure safe drinking water, the school district will conduct annual water testing in the future. This information will be posted on our district's website, www.islandtrees.org, for public inspection. If you have any questions, please do not hesitate to contact me.

Sincerely,

Charles Murphy
Superintendent of Schools
cmurphy@islandtrees.org

Excellence and Success for All Students

TABLE FROM J.C. BRODERICK REPORT

August 8, 2016
Mr. Kenneth McLean
Island Trees Union Free School District
Lead in Water Sampling
7 District Buildings
JCB#: 16-34749

School Building	Drinking Water Outlets Sampled	Locations which Exceeded EPA Action Level
Island Tree High School	26	Map location 25: Water cooler in hallway by room 224
Island Trees Memorial Middle School	23	Map location 5: Fountain in hallway by 164 Map location 7: Fountain in hallway by 176 Map location 16: Fountain in hallway by 258 Map location 19: Fountain in hallway by 224
Stokes School	40	Map Location 13: Faucet in Second Floor Faculty Room Map Location 15: Fountain in Room 137 Map Location 27: Fountain in Cafeteria Map Location 32: Fountain in Room 108 Map Location 40: Fountain in Room 101
Sparke School	29	Map location 7: Faucet/ fountain in classroom 227 Map location 12: Faucet/ fountain in Room 129
Gallow Elementary School	2	NONE
Karopczyc Elementary School	8	NONE
Island Trees Public Library	3	NONE

Interim and Long-Term Remediation

Each of the above referenced outlets which exceeded the action level have been removed from service until further investigation, remediation, and or retesting is completed.

For all active water outlets, it is recommended that the district perform routine control measures including, but not limited to:

- Maintain all drinking water outlets, screens/aerators, and any associated filters.
- Use only cold water for food and beverage preparation
- Instruct users to run the water before use or drinking
- Placard non-potable locations such as faucets in classrooms, bathrooms, and custodial areas indicating that water should not be consumed.

For more information pertaining to these control measures, please reference the EPA's guidance document entitled "Drinking Water Best Management Practices for Schools and Child Care Facilities Served by Municipal Water Systems."



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Dear Island Trees Parents,

Subsequent to our water testing, New York State enacted a new law mandating this testing for all public schools. With our initial testing, the school district followed EPA guidelines to remediate all potable (drinking) water outlets above 20 parts per billion. At the time, there were twelve (12) outlets in our school district. However, the new state law is more stringent and requires remediation of any water outlets above 15 parts per billion. In response to our original testing, we remediated all outlets above 20 parts per billion (EPA standards), as well as outlets above 15 parts per billion just to be safe. We have attached the updated letter from J.C. Broderick & Associates which identifies the new areas.

If you have any questions about the testing, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "CJ Murphy".

Charles J. Murphy
Superintendent of Schools
cmurphy@islandtrees.org

J.C. Broderick & Associates, Inc.

Environmental/Construction Consulting & Testing



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Hauppauge, NY 11788
631.584.5492
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www.jcbroderick.com

September 21, 2016

Mr. Kenneth McLean
Island Trees Union Free School District
Administrative Offices
74 Farmedge Road
Levittown, New York 11756

**Re: Lead in Water Sampling Addendum No. 1
NYS DOH Regulation Update
Island Trees Union Free School District**

JCB#: 16-34749

Dear Mr. McLean:

J. C. Broderick & Associates, Inc. (JCB) was retained by the Island Trees Union Free School District to perform an assessment and testing of the drinking water outlets servicing the above referenced school buildings for the presence of lead. The assessment and testing was performed in accordance with the United States Environmental Protection Agency (EPA) protocols as recommended in their publication 3Ts for Reducing Lead in Drinking Water in Schools.

On Tuesday, September 6, 2016 the New York State Department of Health (NYS DOH) enacted an emergency Regulation; 10 NYCRR Subpart 67-4, Lead Testing in School Drinking Water. In this regulation, the NYS DOH imposes an action level of fifteen parts per billion (15 ppb), which is lower than the EPA's action level of twenty parts per billion (20 ppb).

The initial assessment and testing performed indicate that the lead levels of all the tested potable (drinking) water outlets currently servicing the School District meet both the federal guidelines and state regulation action levels. Sampling was performed at one hundred thirty-one (131) outlets and lead was detected above the EPA action level at only twelve (12) of these locations and above the new DOH action level at an additional six (6) locations. All of these outlets have been removed from service and will remain out of service until further investigation, remediation and/or retesting is completed. A summary of these outlets can be referenced in the attached table.

It should be noted that both interim and permanent remediation and retesting efforts have already begun on many of these outlets. When retesting results reveal satisfaction of both the Federal guidelines and State regulation the outlets will be returned to service. When all testing and remediation activities have been completed a final report with all results will be forwarded to the District.

The emergency DOH regulation requires specific notifications to the public, State and Local Health Departments. A summary of these required notifications as they're stated in the regulation is also attached to this letter for your reference.

Please note that the referenced DOH regulation is an emergency regulation, as such; revisions, amendments and/or technical interpretations are expected. These updates may require additional sampling, notifications and/or other requirements. We will monitor the DOH's progress of the regulation and advise you of any relevant findings.

If you need any further assistance, please feel free to contact our office.

Sincerely,

A handwritten signature in black ink, appearing to read 'E. McGuire III', is written over a light blue horizontal line.

Edward McGuire
J.C. Broderick & Associates, Inc.

**Attachment No. 1
Island Trees Union Free School District
JCB#16-34749**

School Building	Locations which Exceed EPA and/or DOH Action Levels
Stokes School	<p><u>Exceed EPA 20ppb AL</u> Map Location 13: Faucet in Second Floor Faculty Room Map Location 15: Fountain in Room 137 Map Location 27: Fountain in Cafeteria Map Location 32: Fountain in Room 108 Map Location 40: Fountain in Room 101 <u>Exceed DOH 15ppb AL</u> Map Location 30: Faucet in Room 113</p>
Island Trees Memorial Middle School	<p><u>Exceed EPA 20ppb AL</u> Map location 5: Fountain in hallway by 164 Map location 7: Fountain in hallway by 176 Map location 16: Fountain in hallway by 258 Map location 19: Fountain in hallway by 224 <u>Exceed DOH 15ppb AL</u> Map location 17: Fountain in hallway by 252</p>
Sparke School	<p><u>Exceed EPA 20ppb AL</u> Map location 7: Faucet/ fountain in classroom 227 Map location 12: Faucet/ fountain in Room 129 <u>Exceed DOH 15ppb AL</u> Map location 17: Faucet/ fountain in classroom 124 Map location 24: Fountain in cafeteria</p>
Island Trees Public Library	NONE
Island Tree High School	<p><u>Exceed EPA 20ppb AL</u> Map location 25: Water cooler in hallway by room 224</p>
Gallow Elementary School	<p><u>Exceed DOH 15ppb AL</u> Map Location 2: Faucet in Faculty Room</p>
Karopczyc Elementary School	<p><u>Exceed DOH 15ppb AL</u> Map Location 6: Fountain in Corridor by Room 110</p>

NYS DOH Lead in Water Compliance Checklist for Testing and Notification Date Requirements

Yes	No	N/A	
			FIRST DRAW SAMPLING DEADLINES
			<i>Any first-draw sampling that occurred after January 1, 2015 shall satisfy the initial first-draw sampling requirement.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Any school serving children in any of the levels prekindergarten through grade five, collection of samples is to be completed by September 30, 2016
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Any school serving children in any of the levels grades six through twelve that are not also serving students in any of the levels prekindergarten through grade five, and all other applicable buildings, collection of samples is to be completed by October 31, 2016
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For buildings put into service after the effective date of this regulation, initial first-draw samples shall be performed prior to occupancy, provided that if the building is put into service between the effective date of this regulation but before October 31, 2016, the school shall have 30 days to perform first-draw sampling
			<i>Continued monitoring: Schools shall collect first-draw samples again in 2020 or at an earlier time as determined by the commissioner. Schools shall continue to collect first-draw samples at least every 5 years thereafter or at an earlier time as determined by the commissioner.</i>
			RESPONSE NOTIFICATIONS (Receipt of first draw sampling laboratory report)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Report results to the local health department as soon as practicable, but no more than 1 business day after the school received the laboratory report
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Notify all staff and all persons in parental relation to students of the test results, in writing, as soon as practicable but not more than 10 business days after the school received the laboratory report; and, for results of tests performed prior to the effective date of this Subpart, within 10 business days of this regulation's effective date, unless such written notification has already occurred.
			PUBLIC NOTIFICATIONS (After receiving report with lead retesting results and implemented lead remediation actions)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	By October 31, 2016, the school shall make available on its website a list of all buildings that are determined to be lead-free, as defined in section 1417 of the Federal Safe Drinking Water Act.
			<i>Section 1417 of the Safe Drinking Water Act (SDWA) establishes the definition for "lead free" as a weighted average of 0.25% lead calculated across the wetted surfaces of a pipe, pipe fitting, plumbing fitting, and fixture and 0.2% lead for solder and flux.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The school shall make available, on the school's website, the results of all lead testing performed and lead remediation plans implemented pursuant to this Subpart, as soon as practicable, but no more than 6 weeks after the school received the laboratory reports.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For schools that received lead testing results and implemented lead remediation plans in a manner consistent with this Subpart, but prior to effective date of this Subpart, the school shall make available such information, on the school's website, as soon as practicable, but not more than 6 weeks after the effective date of this Subpart.
			REPORTING TO DEPARTMENT OF HEALTH
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	As soon as practicable but no later than November 11, 2016, the school shall report required information to the NYS DOH, local health department, and State Education Department, through the Departments designated statewide electronic reporting system:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	As soon as practicable, but no more than 10 business days after the school received the laboratory reports, the school shall report data relating to test results to the Department, local health department, and State Education Department, through the Department's designated statewide electronic reporting system.
			RECORDKEEPING
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The school shall retain all records of test results, lead remediation plans, determinations that a building is lead-free, and waiver requests, for ten years following the creation of such documentation. Copies of such documentation shall be immediately provided to the Department, local health department, or State Education Department, upon request.

Please call J. C. Broderick & Associates, Inc. (JCB) with any questions or if any assistance is needed 631.584 5492.