

# J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

June 12, 2017

Mr. James Meade  
Western Suffolk BOCES  
507 Deer Park Road  
PO Box 8007  
Dix Hills, New York 11746

**Re: Addendum No. 2  
Phase 2 Lead in Water Sampling  
NYS DOH Regulation Sampling of  
Low and Non-Listed Priority Outlets  
Western Suffolk BOCES**

**JCB#: 16-34958**

Dear Mr. Meade:

J. C. Broderick & Associates, Inc. (JCB) was retained by Western Suffolk BOCES to perform sampling of the potable water fixtures currently or potentially used for drinking or cooking purposes throughout district's school buildings.

On 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. Based upon the current interpretation of this regulation by the NYS DOH, in addition to the sampling of the high priority water outlets as previously performed by the school district, this regulation also requires the sampling of all low and non-listed potable outlets servicing the district's school buildings.

This Phase 2 sampling included the following:

- Collection of first-draw samples from all outlets identified in the district's potable water fixture survey;
- Collection of first-draw samples with volumes of 250 milliliters (mL) from all identified cold water outlets before any water is used in the school building on the day the sampling was performed;
- The water sampling was performed at a time when the water was identified as being motionless in the pipes for a minimum of 8 hours, but not more than 18 hours, before the sampling was collected;
- Chain of custody forms prepared and samples delivered to a laboratory approved to perform such analyses by the NYS DOH Environmental Laboratory Approval Program (ELAP).

Based upon the emergency regulation, the exceedance of the 15 parts per billion (ppb) action level requires the school district to prohibit or restrict use of the applicable outlets until:

- (1) A lead remediation plan is implemented to mitigate the lead level of such outlet; and the
- (2) Test results indicate that the lead levels are at or below the action level.

The attached table identifies each water outlet where analysis revealed concentrations of lead in excess of the action level. The table also summarizes the district's remedial actions performed to date and any retest results. Outlets which have retest results below the action level may be returned to unrestricted service.



NYS DOH Regulation  
10 NYCRR Subpart 67-4, Lead Testing in School Drinking Water  
District Wide

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

Sincerely,



Edward McGuire  
US EPA Lead Risk Assessor  
Certification No. NY-I-19041-2



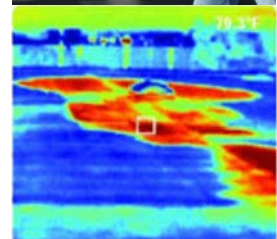
Malcolm Barkan  
NYS Professional Engineer  
License No. 044277



# Attachment 1

## Summary of Sampling Results



**J.C. Broderick & Associates, Inc.**  
*Environmental Consulting & Testing*  
1775 Expressway Drive North  
Hauppauge, New York 11788  
631.584.5492 fax 631.584.3395

Western Suffolk BOCES JCB#: 16-34958			
School Building	Water Outlets Sampled	Locations Exceeding NYS DOH Action Level of 15 ppb	Status
JEA Alternative Program	75	<ol style="list-style-type: none"> <li>1. <b>Map Location 6:</b> Fountain in Classroom 112</li> <li>2. <b>Map Location 10:</b> Fountain in Hallway by Room 108</li> <li>3. <b>Map Location 13:</b> Faucet in Room 109 (24/ND)</li> <li>4. <b>Map Location 17:</b> Faucet in Room 115 (24.6/ND)</li> <li>5. <b>Map Location 23:</b> Faucet in Room 116 (26.3/3.41)</li> <li>6. <b>Map Location 26:</b> Faucet in Room 210 Bathroom (23.3/9.77)</li> <li>7. <b>Map Location 27:</b> Faucet in Room 209A Bathroom (22.4/20.2)</li> <li>8. <b>Map Location 32:</b> Slop Sink in Custodial Closet Room 104A (587/6.48)</li> <li>9. <b>Map Location 27:</b> Faucet in Room 103 Bathroom (36.3/8.22)</li> <li>10. <b>Map Location 38:</b> Faucet in Room 108 Bathroom (20.3/12)</li> <li>11. <b>Map Location 43:</b> Faucet in Teacher's Bathroom Room 114B (22/32.5)</li> <li>12. <b>Map Location 44:</b> Slop Sink in Custodial Closet Room 114A (94.7/ND)</li> <li>13. <b>Map Location 51:</b> Hand Wash Sink in Kitchen (15.4/ND)</li> <li>14. <b>Map Location 57:</b> Slop Sink in Custodial Closet by Room 200C (155/1.03)</li> <li>15. <b>Map Location 58:</b> Faucet in Men's Bathroom by Room 200C-First Sink Clockwise Upon Entry (89/4.37)</li> <li>16. <b>Map Location 62:</b> Faucet in Room 200C Bathroom (19.8/4.36)</li> </ol>	<ol style="list-style-type: none"> <li>1. Retested Below AL-12.16.16 (10.6 ppb)</li> <li>2. Removed from Service</li> <li>3. Removed from Service</li> <li>4. Removed from Service</li> <li>5. Removed from Service</li> <li>6. Removed from Service</li> <li>7. Removed from Service</li> <li>8. Access Restricted</li> <li>9. Removed from Service</li> <li>10. Removed from Service</li> <li>11. Removed from Service</li> <li>12. Access Restricted</li> <li>13. Placarded for Non-Drinking</li> <li>14. Access Restricted</li> <li>15. Removed from Service</li> <li>16. Removed from Service</li> </ol>
James E. Allen Elementary School	80	<ol style="list-style-type: none"> <li>1. <b>Map Location 2:</b> Fountain in Teacher Computer Center (16)</li> <li>2. <b>Map Location 6:</b> Water Cooler in Hallway by Classroom 312 (150)</li> <li>3. <b>Map Location 11:</b> Faucet in Reception Office (36/13)</li> <li>4. <b>Map Location 15:</b> Faucet in Room 409 (27/2)</li> <li>5. <b>Map Location 29:</b> Sink in Nurse's Office (16)</li> <li>6. <b>Map Location 31:</b> Water Cooler in Hallway by Nurse's Office (72)</li> <li>7. <b>Map Location 32:</b> Faucet in Gym Office (28/18)</li> <li>8. <b>Map Location 69:</b> Hand Wash Sink in Storage Room 611 (27.2/ND)</li> </ol>	<ol style="list-style-type: none"> <li>1. Removed from Service</li> <li>2. Removed from Service</li> <li>3. Removed from Service</li> <li>4. Removed from Service</li> <li>5. Removed from Service</li> <li>6. Removed from Service</li> <li>7. Removed from Service</li> <li>8. Placarded for Non-Drinking</li> </ol>
James E. Allen Jr/Sr. High School	102	<ol style="list-style-type: none"> <li>1. <b>Map Location 11:</b> Faucet in Nurse's Office (15)</li> <li>2. <b>Map Location 13:</b> Fountain in Hallway by Room 540 (17)</li> <li>3. <b>Map Location 14:</b> Fountain in Hallway by Room 529 (35/37)</li> <li>4. <b>Map Location 15:</b> Fountain in Hallway by Stage (35/16)</li> <li>5. <b>Map Location 16:</b> Fountain in Hallway by Room 520 (91/72)</li> <li>6. <b>Map Location 38:</b> Faucet in Room 206 (62.8/1.16)</li> <li>7. <b>Map Location 44:</b> Faucet in Room 136 (369/4.53)</li> <li>8. <b>Map Location 53:</b> Faucet in Room 310 (44.2/3.02)</li> <li>9. <b>Map Location 102:</b> Faucet in Room 403 (497/75.5)</li> <li>10. <b>Map Location 106:</b> Faucet in Room 408 (16.1/28.4)</li> <li>11. <b>Map Location 125:</b> Faucet in Kitchen (24.9/ND)</li> </ol>	<ol style="list-style-type: none"> <li>1. Retested Below AL-12.14.16 (3.39 ppb)</li> <li>2. Removed from Service</li> <li>3. Removed from Service</li> <li>4. Removed from Service</li> <li>5. Retested Below AL-12.14.16 (13.1 ppb)</li> <li>6. Removed from Service</li> <li>7. Removed from Service</li> <li>8. Access Restricted</li> <li>9. Removed from Service</li> <li>10. Removed from Service</li> <li>11. Removed from Service</li> </ol>
Wilson Tech Dix Hills Building A	47	<ol style="list-style-type: none"> <li>1. <b>Map Location 1:</b> Service Connector in Hot Box by Exterior of Building (363/2.6)</li> <li>2. <b>Map Location 16:</b> Faucet in Kitchen in Room 106 (58/8)</li> <li>3. <b>Map Location 17:</b> Faucet in Faculty Room 107 (33/26)</li> </ol>	<ol style="list-style-type: none"> <li>1. No Remediation Required</li> <li>2. Removed from Service</li> <li>3. Removed from Service</li> </ol>
Wilson Tech Dix Hills Building B	46	<ol style="list-style-type: none"> <li>1. <b>Map Location 13:</b> Faucet in Classroom B2 Kitchen (43/2)</li> <li>2. <b>Map Location 14:</b> Service Connector in Boiler Room (21/46)</li> <li>3. <b>Map Location 20:</b> Spray Nozzle for Food Prep Wok (29.6/2.6)</li> <li>4. <b>Map Location 30:</b> Spray Nozzle in Kitchen by Cafeteria (19.2/3.1)</li> </ol>	<ol style="list-style-type: none"> <li>1. Removed from Service</li> <li>2. No Remediation Required</li> <li>3. Placarded for Non-Drinking</li> <li>4. Placarded for Non-Drinking</li> </ol>
Wilson Tech Dix Hills Building C	66	<ol style="list-style-type: none"> <li>1. <b>Map Location 1:</b> Service Connector in Boiler Room Outside of Building (3/32)</li> <li>2. <b>Map Location 13:</b> Slop Sink in Custodial Closet by Room 16 (27.8/1.1)</li> <li>3. <b>Map Location 30:</b> Faucet in Women's Bathroom by Lab 2-Third Sink Clockwise Upon Entry (25.2/4.1)</li> <li>4. <b>Map Location 54:</b> Nurse's Sink in Room 206 (16.4/2.8)</li> <li>5. <b>Map Location 61:</b> Nurse's Sink in Room 205 (17.3/5)</li> </ol>	<ol style="list-style-type: none"> <li>1. No Remediation Required</li> <li>2. Access Restricted</li> <li>3. Removed from Service</li> <li>4. Removed from Service</li> <li>5. Removed from Service</li> </ol>

		6. <b>Map Location 62:</b> Slop Sink in Custodial Closet by Room 227 (39.4/2.5) 7. <b>Map Location 68:</b> Nurse's Sink in Room 202 (507/95.4)	6. Access Restricted 7. Removed from Service
<b>Wilson Tech Dix Hills Building D</b>	19	1. <b>Map Location 1:</b> Service Connector in Boiler Room (118/52.7) 2. <b>Map location 2:</b> Water Cooler in Carpentry Office (17) 3. <b>Map Location 13:</b> Slop Sink in Custodial Closet by D2 Bathroom (26/1.8) 4. <b>Map Location 18:</b> Slop Sink in Custodial Closet by D5 Closet/Storage Room (24.7/2.1)	1. No Remediation Required 2. Removed from Service 3. Access Restricted 4. Access Restricted
<b>Wilson Tech Dix Hills Building E</b>	12	NONE	No Action Required
<b>Wilson Tech-Northport Campus</b>	65	1. <b>Map Location 17:</b> Slop Sink in Custodial Closet by Mechanical Equipment Room (15.2/1.7) 2. <b>Map Location 26:</b> Faucet in Storage Room of Cosmetology Room (265/14.8) 3. <b>Map Location 51:</b> Faucet in Girl's Bathroom by Cosmetology (29.5/1.53) 4. <b>Map Location 63:</b> Slop Sink in Auto Shop by Room 118 (17.9/ND)	1. Access Restricted 2. Removed from Service 3. Removed from Service 4. Access Restricted
<b>Wilson Tech-Huntington Campus</b>	83	1. <b>Map location 12:</b> Faucet in Health Aide Class (180/470) 2. <b>Map Location 18:</b> Faucet in Kitchen (17.7/1.96) 3. <b>Map Location 44:</b> Faucet in Boy's Bathroom in 100's Wing-First Sink Clockwise Upon Entry (15.8/38.4) 4. <b>Map Location 68:</b> Faucet in Room 204 (31.8/16.5)	1. Removed from Service 2. Removed from Service 3. Removed from Service 4. Removed from Service
<b>Wilson Tech-Aviation Facility</b>	15	NONE	No Action Required
<b>Central Administration</b>	7	NONE	No Action Required
<b>Western Suffolk BOCES Facilities Office</b>	3	NONE	No Action Required
<b>Western Suffolk BOCES Receiving Building</b>	2	NONE	No Action Required