

# J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

August 22, 2017

Dr. Charles Russo  
East Moriches Union Free School District  
Administration Building  
9 Adelaide Avenue  
East Moriches, New York 11940



**Re: Addendum No. 2  
Phase 2 Lead in Water Sampling  
NYS DOH Regulation Sampling of  
Low and Non-Listed Priority Outlets  
East Moriches Union Free School District**

**JCB#: 16-34790**

Dear Dr. Russo:

J. C. Broderick & Associates, Inc. (JCB) was retained by the East Moriches Union Free School District 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



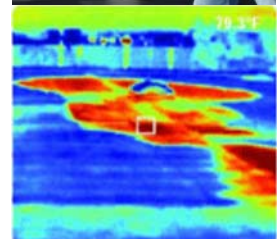
Malcolm Barkan  
NYS Professional Engineer  
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# Attachment 1

## Summary of Sampling Results



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**East Moriches Union Free School District  
JCB# 16-34790**

| <b>School Building</b>                 | <b>Number of Outlets Tested</b> | <b>Locations which Exceed DOH Action Levels</b>   | <b>Status</b>  |
|--|---------------------------------|---|--|
| <b>East Moriches Middle School</b>     | 27                              | <ol style="list-style-type: none"> <li>1. Map Location 13: Faucet in Science Room 26 (16.9/ND)</li> <li>2. Map Location 15: Faucet in Room 10 (132/8.25)</li> <li>3. Map Location 16: Faucet in Room 12 (20/1.14)</li> <li>4. Map Location 18: Faucet in Room 16 (15.3/ND)</li> <li>5. Map Location 22: Faucet in Room 4 (34.8/3.36)</li> </ol> | <ol style="list-style-type: none"> <li>1. Placarded for Non-Drinking Purposes</li> <li>2. Placarded for Non-Drinking Purposes</li> <li>3. Placarded for Non-Drinking Purposes</li> <li>4. Placarded for Non-Drinking Purposes</li> <li>5. Placarded for Non-Drinking Purposes</li> </ol> |
| <b>East Moriches Elementary School</b> | 30                              | <ol style="list-style-type: none"> <li>1. Map Location 1: Service Connector/Slop Sink in Custodial Closet (169/&lt;1)</li> <li>2. Map Location 4: Faucet in Kitchen-Kettle (48/&lt;1)</li> <li>3. Map Location 8: Water Cooler in Hallway by Room K1 (18)</li> </ol>  | <ol style="list-style-type: none"> <li>1. Access Restricted</li> <li>2. Retested Below AL-12.14.16 (2.30)</li> <li>3. Retested Below AL-12.14.16 (ND)</li> </ol>   |