



architects + engineers

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September 19, 2016

Ms. Linda Jensen  
Assistant Superintendent for Business  
Mount Sinai Union Free School District  
118 North Country Road  
Mount Sinai, New York 11766

**RE: Proposal for Professional Services  
District-wide Drinking Water Testing for Lead  
Analysis Report - Revised**

Dear Ms. Jensen:

As a result of recent legislation signed by Governor Andrew Cuomo last week, all school districts and BOCES are required to institute mandatory testing for lead of their potable water systems. Previously this testing was voluntary and in accordance with the State Education Department and NYS Department of Health, testing was to be completed utilizing the United State Environmental Protection Agency (USEPA) 3T's for reducing Lead in Drinking Water in Schools. This guideline set the required action level at 20ppb per 250 milliliters (mL). However the recently enacted legislation has lowered the action level to 15ppb per 250 milliliters (mL). As a result we have revised our previous analytical report and action plan dated May 26, 2016 to now include those fixtures which initially fell between 15ppb & 20ppb.

Samples were collected in substantial compliance with SUBPART 67-4: Lead Testing in School Drinking Water, over a three day period, one building per day. Sampling was conducted at all water drinking locations including drinking fountains, food preparation sinks (kitchens & home & career rooms), classroom bubblers, faculty lounge and nursing office sinks. In instances where other visible sinks or fixtures were readily available for consumption including outlets used for filling coffee urns, faucets used by activities in field areas were also sampled. Medium and low priority water outlets (hand wash sinks, slop sinks, showers, etc.) were not sampled. Each initial 250mL sample taken was a "first draw" taken after a minimum of 8 hours of non-use, not exceeding 18 hours and a second 250mL sample taken 30 seconds later. The second sample was held in the lab and was analyzed only if the first sample is above the 15ppb recommended action level. A summary of the results taken are as follows:

**Mount Sinai Elementary School**

Thirty eight (38) samples taken, a total of seven (9) samples exceeded the 15ppb on the initial draw and only one (1) sample exceeded the 15ppb upon analysis of the second sample.

Classroom 103 - first draw 28.2ppb  
Classroom 108 - first draw 32.3ppb  
Classroom 110 - first draw 17ppb  
Classroom 112 - first draw 33.5ppb  
Classroom 201 – first draw 17.1ppb



Classroom 203 – first draw 58.0ppb  
Classroom 211 – first draw 18ppb  
Fountain 2A – first draw 21.2ppb  
Fountain 3A – first draw 29.9ppb  
Classroom PPS – first draw 88.3ppb / second draw 26.6ppb

### **Mount Sinai Middle School**

Twenty five (25) samples taken, a total of six (6) samples exceeded the 15ppb on the initial draw and no samples exceeded the 15ppb upon analysis of the second sample.

Classroom 124 - first draw 73.8ppb  
Home & Career EC1 - first draw 20.1ppb  
Home & Career EC2 - first draw 319.0ppb  
Home & Career EC3 - first draw 17.7ppb  
Home & Career EC4 - first draw 52.7ppb  
Home & Career EC5 - first draw 17.5ppb  
Kitchen 4 – first draw 20.9ppb  
Girls Locker Room – first draw 28.7ppb

### **Mount Sinai High School**

Twenty one (21) samples taken, no samples exceeded the 15ppb upon analysis of the initial draw.

As a result we would recommend to the District an action plan as follows:

For all locations where the initial draw exceeded the 15ppb we recommend replacing the fixture or eliminating the fixture if not regularly used or needed, the District can institute a temporary flushing program where district personnel would need to run water through those fixtures each day for a minimum of 30 seconds prior to student & faculty occupancy. This can be done until the District can replace the fixture, however we recommend providing the necessary posting in accordance with regulations during the replacement period. Upon completion of the remedial work we would then recommend re-sampling those replaced fixtures to ensure compliance. Please note we have attached a copy of the lab results including the chain of custody for each building which the district is required to maintain for 10 years.

Upon reviewing this report the District has any questions or would like H2M to present our finding to the Board of Educations please feel free to contact me at 631.756.8000 ext. 1359.

Very truly yours,  
**H2M architects + engineers**

A handwritten signature in black ink, appearing to read 'Saverio J. Belli', written over a vertical line.

Saverio J. Belli, AIA, CSI, CDT  
Vice President | Studio Director  
SJB/pld  
Encl: (3)

cc: H2M\_File, PLD  
D.Lukasz\_MSSD  
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