



## LEAD IN POTABLE WATER SCREENING REPORT

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95 Bradhurst Avenue  
Valhalla, NY 10595

SITE INVESTIGATED: Mt. Pleasant Blythedale School District  
95 Bradhurst Avenue  
Valhalla, NY 10595

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INVESTIGATION  
CONDUCTED: 11/30/16

DATE OF REPORT: 1/3/17

(Omega Project # 16-1356)

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## EXECUTIVE SUMMARY:

The Mt. Pleasant Blythedale School District requested lead in water testing of potable water outlets at Mt. Pleasant Blythedale School District, 95 Bradhurst Avenue, Valhalla, NY 10595.

In order to comply with the new NYS lead in water regulations, testing of all drinking water outlets is required. Initially, only first draw samples are required.

### *Previous Testing*

No information related to previous testing was available.

### *Recent Testing (11/30/16)*

In order to assess the building water outlets a full testing of all potable outlets was performed on November 30, 2016.

Reportedly the outlets were not flushed or used on the day of testing.

First draw were collected of 35 water fountains and sinks.

**Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. Nine first draw samples were above 15 ppb.**

See Section 3 Discussion of Results

## 1 RESULTS TABLE:

| Sample # | Outlet # | Location                                    | 1 <sup>st</sup> draw (FD) or flush (FL) | Results (ppb) | LCR Action Level <sup>(1)</sup> (ppb) |
|----------|----------|---|---|---------------|---------------------------------------|
| 1        | 9        | 1st fl. Reception Area Chilled Water Cooler | FD                                      | <1.0          | 15                                    |
| 2        | 1        | 1st fl. Girls Bathroom Sink                 | FD                                      | 7.3           | 15                                    |
| 3        | 2        | 1st fl. Boy's Bathroom Sink                 | FD                                      | <1.0          | 15                                    |
| 4        | 11       | 1st fl. Library Sink                        | FD                                      | 1.1           | 15                                    |
| 5        | 12       | 1st fl. Library Fountain                    | FD                                      | 41.9          | 15                                    |
| 6        | 10       | 1st fl. Resource Media Rm. Sink             | FD                                      | 1.1           | 15                                    |
| 7        | 13       | 1st fl. Open classroom Sink                 | FD                                      | <1.0          | 15                                    |
| 8        | 14       | 1st fl. Open Classroom Sink                 | FD                                      | 26.3          | 15                                    |
| 9        | 3        | 1st fl. Voc Education, Sink                 | FD                                      | 5.8           | 15                                    |
| 10       | 4        | 1st fl. Voc Education, Sink                 | FD                                      | 20.1          | 15                                    |
| 11       | 5        | 1st fl Kitchen Sink                         | FD                                      | <1.0          | 15                                    |
| 12       | 6        | 1st fl. Science Classroom Sink              | FD                                      | 3.7           | 15                                    |
| 13       | 7        | 1st fl. Science Classroom Sink              | FD                                      | 23.8          | 15                                    |
| 14       | 8        | 1st fl. Bathroom sink (next to technology   | FD                                      | <1.0          | 15                                    |

|    |    |   |    |      |    |
|----|----|---|----|------|----|
|    |    | shop)   |    |      |    |
| 15 | 15 | 2nd fl. Boys Bathroom Sink                    | FD | <1.0 | 15 |
| 16 | 16 | 2nd fl. Girls Bathroom Sink                   | FD | <1.0 | 15 |
| 17 | 25 | 2nd fl. Reception Area Chilled Water Fountain | FD | <1.0 | 15 |
| 18 | 17 | 2nd fl. Basic Skills 1 Sink                   | FD | 1.9  | 15 |
| 19 | 18 | 2nd fl. Basic Skills 1 Sink                   | FD | 21.0 | 15 |
| 20 | 19 | 2nd fl. Basic Skills 2 Sink                   | FD | 7.9  | 15 |
| 21 | 20 | 2nd fl. Basics Skills 2 Sink                  | FD | 3.4  | 15 |
| 22 | 21 | 2nd fl. Music Room Sink                       | FD | 8.7  | 15 |
| 23 | 22 | 2nd fl. Music Room Sink                       | FD | 3.2  | 15 |
| 24 | 23 | 2nd fl. Art Room Sink                         | FD | 1.1  | 15 |
| 25 | 26 | 2nd fl. Open Classroom Sink                   | FD | 1.3  | 15 |
| 26 | 27 | 2nd fl. Open Classroom Sink                   | FD | 109  | 15 |
| 27 | 29 | 2nd fl. Open Classroom Sink                   | FD | 2.8  | 15 |
| 28 | 30 | 2nd fl. Open Classroom Sink                   | FD | 2.6  | 15 |
| 29 | 31 | 2nd fl. Open Classroom Sink                   | FD | 146  | 15 |
| 30 | 32 | 2nd fl. Open Classroom Sink                   | FD | 1.9  | 15 |
| 31 | 33 | 2nd fl. Open Classroom Sink                   | FD | 785  | 15 |
| 32 | 34 | 2nd fl. Open Classroom Sink                   | FD | 8.0  | 15 |
| 33 | 35 | 2nd fl. Open Classroom Sink                   | FD | 564  | 15 |
| 34 | 36 | 2nd fl. Open Classroom Sink                   | FD | 11.2 | 15 |
| 35 | 37 | 2nd fl. Open Classroom Sink                   | FD | 1.1  | 15 |
| 36 |    | Blank   | FD | <1.0 | 15 |

<sup>(1)</sup> EPA Lead in Copper Rule (1991) Action Level for water suppliers (municipalities and private wells)

FD – First Draw Sample

FL – Flush Sample (30 sec)

NA – Not Analyzed

## 2 SAMPLING METHODOLOGY:

Initially, an outlet inventory was conducted of all of the outlets. The locations and types were noted in the attached outlet inventory and shown on the attached outlet location plans. These outlet numbers should be used for any additional sampling to be conducted.

Several of the sinks were motion activated, with pre-set hot and cold water flows. For these outlets, the hot water was turned off at the supply valve, a sample of the cold water only was collected, and the hot water valve re-opened.

First Draw Samples - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid (HNO<sub>3</sub>) as a preservative.

The samples were packaged in a cooler and shipped to Pace Analytical, Melville, NY for total lead in potable water analysis (method E200.8 IOC).

### **3 DISCUSSION OF RESULTS:**

**Nine first draw sample results were above 15 ppb.**

Reportedly the sinks are not normally used for potable water purposes, with the exception of the kitchen sink (outlet #5).

### **4 RECOMMENDATIONS:**

*Short term:*

- Take any outlets with elevated results out of service or post warning signs stating "Not for Drinking Water Purposes".
- Conduct further evaluation and testing of outlets with elevated results.

*Long Term:*

- If additional testing shows similar results (first draw results above 15 ppb) consider replacing the spout of the fountains (may contain brass, adding to lead levels), installing filters (if practical), or fixture replacement.
- Repeat full building testing on an annual basis. Generally this should be performed in August prior to the start of the school season.
- Develop a Lead in Water Management Plan in accordance with the 2006 EPA 3Ts for Reducing Lead in Drinking Water in Schools.