

Northeast Water Solutions, Inc.

February 27, 2019

Blackstone/Millville Elementary School
PWS # 2188004
122 Berthelette Way
Millville, MA 01529

RE: Drinking Water System Has Returned to Compliance

Dear Consumers:

The Blackstone/Millville Elementary School uses sodium hypochlorite for treatment of iron and microbiological control (disinfection) in the school water distribution system. The school conducts quarterly monitoring of disinfection By-Products (DBP's) including Haloacetic Acids (HAA5) and Total Trihalomethanes (TTHM's), reporting the results to the MA DEP. The results of the quarterly monitoring event in November 2018 determined elevated results for HAA5, resulting in an exceedance of the "running annual average" (average of results of the most recent 4 quarters) required to be maintained by USEPA.

The amount of sodium hypochlorite used in the water treatment system is based upon the amount of iron and manganese in the incoming well water. Extensive previous studies of the water supply system have determined the best results for both iron/manganese removal and minimization of DBP's occur when maintaining a chlorine residual of 0.2 to 0.5 mg/l in the treated water. NWSI conducts weekly on-site monitoring of the system and also utilizes continuous monitoring of the chlorine residual. In November of 2018, the level of residual chlorine in the distribution system was found to be elevated due to a significant decrease in iron and manganese in the well water exceeding the desired control range. NWSI had initiated a step-wise reduction of the sodium hypochlorite dosage to lower the residual chlorine, prior to the quarterly sampling, however the 4th quarter DBP monitoring results were elevated.

NWSI continued to closely monitor the operation of the water treatment and distribution system through the holiday shutdown period, implemented certain repairs, and also flushed the water storage and distribution system. The most recent quarterly sampling event occurred February 7, 2019, demonstrating HAA5 results for the Nurse's Station (0.053 mg/L) and Teacher's Lounge (0.059 mg/L) that are within compliance. However, due to the elevated results of the previous November 2018 monitoring, the running annual average for the Nurse's station and the Teachers' lounge continues to exceed the maximum contaminant level (0.060 mg/L) set forth by the EPA.

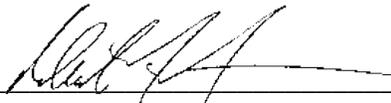
A review of the chlorine residual monitoring data log has determined a significant, sustained decrease in residual chlorine level. Since the adjustment to the system occurred, chlorine residual daily averages have not exceeded 0.27 mg/L, with a monthly average of 0.16 mg/L. The current values are consistent with the historical values for this system when the DBP results were consistently in compliance. NWSI will perform additional monitoring during March 2019, in addition to the next scheduled quarterly monitoring in April 2019, to assure ongoing compliance.

Please note, elevated levels of Haloactic acid is not an immediate health risk, consumers are impacted by prolonged and consistent exposure. The most recent Haloacetic Acid results are in compliance with Massachusetts Department of Environmental Protection drinking water standards and the water is safe to consume.

Should you have any questions, please contact NWSI.

Sincerely,

Northeast Water Solutions, Inc.

A handwritten signature in black ink, appearing to read 'Robert F. Ferrari', written over a horizontal line.

Robert F. Ferrari, P.E.
President