



SAU 93

603-352-6955

600 Old Homestead Highway, Swanzey NH 03446

www.mrsd.org

January 28, 2019

Dear Parents and Guardians at Emerson Elementary School,

In February 2018 the State of New Hampshire adopted Senate Bill 247 “Preventing Childhood Lead Poisoning from Paint and Water”. This bill requires that by July 1, 2019 all schools and licensed childcare facilities in the state complete testing for lead in drinking water at all locations where water is available for consumption by children. It also requires clearer real estate disclosures for homes built prior to 1978 due to the fact that lead paint was widely used before this date. To further protect your family from potential exposure, the state recommends that all residents test for lead paint if your home was built prior to 1978, and to test your water for stagnant lead from your home plumbing whether you have town water or a private well.

The water testing protocol for Senate Bill 247 (SB247) consists of collecting one liter of water from each fixture first thing in the morning, before there is any water use in the building. This is referred to as “stagnant lead” and is intended to represent worst case conditions. Lead is not naturally occurring in water but can leach out of plumbing fixtures as the water sits stagnant over long periods of time. This is why, in addition to testing, it is important to flush the tap every day until the water runs cold before using it for drinking or cooking.

In compliance with SB247 we have recently completed testing of all locations at which children obtain drinking water at all of the schools in the District. **Most locations at Emerson Elementary School showed levels below the drinking water lead advisory; however, one location was found to have elevated levels.** The sink at this location did not provide drinking water and is infrequently used for cleaning purposes. The sink was immediately taken out of service and a replacement installed. Repeat testing indicates that lead is now below the action level. While the ultimate goal is for zero lead exposure, the action level in drinking water is currently set at 15 parts per billion (ppb) or 0.015 milligrams per liter (mg/L) as the threshold to implement remedial actions.

Testing results for Emerson Elementary School are attached.

We are available to answer any questions and provide any additional information you may need. Janel Swanson, Business Administrator, can be reached at 603.352.6955 or by email at jswanson@mrsd.org. In addition, the state has additional background information and resources available that you can find with a simple web search for “NHDES Lead in Drinking Water”.

Sincerely,

Lisa A. Witte

Superintendent of Schools

Enclosure: Water Test Results

Lisa A. Witte, C.A.G.S.
Superintendent of Schools
lwitte@mrsd.org
ext. 6977

Jeremy Rathbun, M.Ed.
Director of Curriculum, Instruction
& Assessment/Title I
jrathbun@mrsd.org
ext. 6959

Catherine Woods, C.A.G.S.
Director of Student Services
cwoods@mrsd.org
ext. 6967

Janel Swanson
Business Administrator
jswanson@mrsd.org
ext. 6956

NELSON ANALYTICAL LAB

490 East Industrial Park Drive
 Manchester, NH 03109
 www.nelsonanalytical.com
 (603)622-0200

NH ELAP Accreditation #NH1005
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 Vermont State Certification # VT1005
 Maine Radon Certification # ME17500

Report Of Analysis

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:00 AM
Client Sample ID:	#65590, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.01	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65590, George S. Elementary School, Fitzwilliam, NH Teacher's Workroom Bath PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.464	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.002	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:05 AM
Client Sample ID:	#65591, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.02	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65591, George S. Elementary School, Fitzwilliam, NH Nurses Bath PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.577	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.003	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:07 AM
Client Sample ID:	#65592, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.03	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65592, George S. Elementary School, Fitzwilliam, NH Pre-School PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.816	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.008	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT



Notes: mg/l=ppm; ug/l=ppb; "<" denotes "less than". ND= Non-detected. This report of analysis may not be modified in any way, or reproduced except in full, without written approval from Nelson Analytical, LLC. Results reported above relate only to samples as submitted, unless specifically noted otherwise. Nelson Analytical, LLC is currently accredited by the New Hampshire Environmental Lab Accreditation Program, the Vermont Laboratory Accreditation Program, and the Maine Laboratory Certification Program. For a list of current accredited tests, please visit the websites listed below. Sampling performed by the lab is according to the lab document "Water Sampling Instructions". EPA standards list pH & Chlorine as field parameters and they should be tested immediately at sample collection. Samples tested for pH are analyzed beyond the hold time for the analysis. Samples will be analyzed as quickly as laboratory operations allow. Metals samples may be analyzed the same day they are received. # - Sample(s) received at laboratory do not meet method specified temperature criteria. Subcontracting Information: SUB2=NH2018(EPA-ME00015); SUB3=NH1004(EPA-NH00035) SUB4=NH2073, SUB5=NH2530 SUB6=NH2124 ME IN00035 SUB 7=NH1007 SUB8=NH2136
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Date Reported: 10/31/2018 15:57

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 Vermont State Certification # VT1005
 Maine Radon Certification # ME17500

Report Of Analysis

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:10 AM
Client Sample ID:	#65593, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.04	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65593, George S. Elementary School, Fitzwilliam, NH Staff Lunchroom PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.260	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.001	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:12 AM
Client Sample ID:	#65594, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.05	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65594, George S. Elementary School, Fitzwilliam, NH Hallway Fountain PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.460	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.002	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:15 AM
Client Sample ID:	#65595, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.06	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65595, George S. Elementary School, Fitzwilliam, NH Room #4 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.635	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.002	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT



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Report Of Analysis

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:17 AM
Client Sample ID:	#65596, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.07	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65596, George S. Elementary School, Fitzwilliam, NH Room #5 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.518	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.002	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:20 AM
Client Sample ID:	#65597, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.08	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65597, George S. Elementary School, Fitzwilliam, NH Room #6 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.590	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.003	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:22 AM
Client Sample ID:	#65598, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.09	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65598, George S. Elementary School, Fitzwilliam, NH Room #7 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.584	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.003	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT



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Report Of Analysis

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:25 AM
Client Sample ID:	#65599, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.10	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65599, George S. Elementary School, Fitzwilliam, NH Room #8 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.688	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.004	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:28 AM
Client Sample ID:	#65600, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.11	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65600, George S. Elementary School, Fitzwilliam, NH Room #9 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.558	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.002	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:30 AM
Client Sample ID:	#65601, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.12	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65601, George S. Elementary School, Fitzwilliam, NH Room #10 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.970	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.003	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT



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Report Of Analysis

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:32 AM
Client Sample ID:	#65602, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.13	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65602, George S. Elementary School, Fitzwilliam, NH Room #11 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.699	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.002	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:35 AM
Client Sample ID:	#65603, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.14	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65603, George S. Elementary School, Fitzwilliam, NH Room #12 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.885	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.002	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:37 AM
Client Sample ID:	#65604, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.15	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65604, George S. Elementary School, Fitzwilliam, NH Room #14 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	1.06	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.003	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT



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Report Of Analysis

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:40 AM
Client Sample ID:	#65605, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.16	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65605, George S. Elementary School, Fitzwilliam, NH Room #15 PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.838	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.003	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:42 AM
Client Sample ID:	#65606, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.17	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65606, George S. Elementary School, Fitzwilliam, NH MPR Fountain PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.606	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	<0.001	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:45 AM
Client Sample ID:	#65607, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.18	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65607, George S. Elementary School, Fitzwilliam, NH Kitchen Food Prep PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.798	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.006	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT



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Report Of Analysis

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:47 AM
Client Sample ID:	#65608, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.19	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65608, George S. Elementary School, Fitzwilliam, NH Kitchen Dish Sink PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	0.617	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.006	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:55 AM
Client Sample ID:	#65609, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.20	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65609, George S. Elementary School, Fitzwilliam, NH Library OT PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	1.29	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.020	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Customer :	EAI Analytical Labs	Date Collected:	10/23/2018 07:56 AM
Client Sample ID:	#65610, George S. Emerson Elementary School	Collected By :	Customer
Laboratory ID:	118102637.21	Date Received :	10/25/2018 09:54 AM
Sample Matrix :	Drinking Water	Temperature Rec'd°C:	#13
Sample Location:	#65610, George S. Elementary School, Fitzwilliam, NH Outdoor Fountain PWSID: 0825010		

Parameter	Result	Units	Method	Rpt Limit	Q	Date/Time Analyzed	Analyst
Copper	1.22	mg/L	EPA 200.8	0.01		10/31/2018 02:48	RT
Lead	0.009	mg/L	EPA 200.8	0.001		10/31/2018 02:48	RT

Respectfully Submitted



Andrew Nelson, Laboratory Director



Notes: mg/l=ppm; ug/l=ppb; "<" denotes "less than". ND= Non-detected. This report of analysis may not be modified in any way, or reproduced except in full, without written approval from Nelson Analytical, LLC. Results reported above relate only to samples as submitted, unless specifically noted otherwise. Nelson Analytical, LLC is currently accredited by the New Hampshire Environmental Lab Accreditation Program, the Vermont Laboratory Accreditation Program, and the Maine Laboratory Certification Program. For a list of current accredited tests, please visit the websites listed below. Sampling performed by the lab is according to the lab document "Water Sampling Instructions". EPA standards list pH & Chlorine as field parameters and they should be tested immediately at sample collection. Samples tested for pH are analyzed beyond the hold time for the analysis. Samples will be analyzed as quickly as laboratory operations allow. Metals samples may be analyzed the same day they are received. # Sample(s) received at laboratory do not meet method specified temperature criteria. Subcontracting Information: SUB2=NH2018(EPA-ME00015); SUB3=NH1004(EPA-NH00035) SUB4=NH2073, SUB5=NH2530 SUB6=NH2124 ME IN00035 SUB 7=NH1007 SUB8=NH2136
http://des.nh.gov/organization/divisions/water/dwgb/nhlap/http://healthvermont.gov/enviro/ph_lab/PublicHealthLaboratory.aspxhttp://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml

Date Reported: 10/31/2018 15:57

490 East Industrial Park Drive
 Manchester, NH 03109
 www.nelsonanalytical.com
 (603)622-0200

NH ELAP Accreditation #NH1005
 Maine State Certification #NH01005
 Vermont State Certification # VT1005
 Maine Radon Certification # ME17500

Report of Analysis

Customer: EAI Analytical Labs
Client Sample ID: #66026, MRSD
Laboratory ID: 118120145.01
Sample Matrix : Drinking Water
Sample Location: #66026, MRSD, Emerson Elementary School, Fitzwilliam, NH SB247 Re-Sample Library Sink #34
Date Collected: 11/28/2018 11:00 AM
Collected By : Customer
Date Received : 12/04/2018 09:30 AM
Temperature Rec'd °C: #14

Parameters	Results	Acceptable Level	Units	Date Analyzed	Test Method	Test Type	Test Remarks
Lead	0.006	0.015	mg/L	12/04/2018 19:21	EPA 200.8	Primary	Within EPA Standard

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Test Types: EPA Primary: Regulated by the EPA as a health related parameter
 EPA Secondary: Aesthetic parameter - not regarded as a health concern

Respectfully Submitted



Andrew Nelson, Laboratory Director



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<http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml>