

**NOTICE OF TAP WATER RESULTS**  
**LEAD AND COPPER COMPLIANCE SAMPLING PROGRAM**

**PWS Name:** Carlisle Public School  
**PWS ID:** 3051004

Dear Consumer:

Date: 11/11/2020

As you may know, Carlisle Public School is also a public water system (PWS) responsible for providing drinking water that meets state and federal standards. This notice reports the lead and copper results from the samples collected at this facility on 11/4/2020 and 11/5/2020.

A total of 10 samples were taken and compliance is based on the 90<sup>th</sup> percentile for all of these samples. See the attached analytical report for the lead and copper results for each location that was sampled. The 90<sup>th</sup> percentile lead and copper levels in your water system are as follows:

**LEAD: 0.012 milligrams per liter (mg/l).** This result is  above/ below the Lead Action Level of 0.015 mg/l.  
**COPPER: 0.522 milligrams per liter (mg/l).** This result is  above/ below the Copper Action Level of 1.3 mg/l.

**What Does This Mean?**

The United States Environmental Protection Agency (EPA) and the Massachusetts Department of Environmental Protection (MassDEP) set the **Lead Action Level<sup>1</sup> for lead in drinking water at 0.015 mg/l (or parts per million) and the Copper Action Level at 1.3 mg/l.** Because lead may pose serious health risks, the EPA and MassDEP also set a **Maximum Contaminant Level Goal (MCLG)<sup>2</sup> for lead of zero. The MCLG for copper is 1.3 mg/l.**

**If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children.** Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our public water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. More information on lead in drinking water and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at: <http://www.epa.gov/safewater/lead>.

**We recommend the following tips to keep any potential lead and copper out of the water you drink:**

- Most importantly – Flushing your water is the simplest way to reduce exposure to lead. When your water has been sitting for several hours, flush the tap until the water feels cold before use.
- Never use hot water from the faucet for drinking or cooking especially when making baby formula.
- Never boil water to remove lead or copper. Boiling water for an extended time may make the lead or copper more concentrated.

For more information on lead in drinking water visit:

- <https://www.mass.gov/service-details/overview-of-lead-in-massachusetts-drinking-water>
- <https://www.mass.gov/lists/lead-in-drinking-water>

For more information on copper in drinking water visit:

- <https://www.mass.gov/service-details/copper-and-your-health>
- <https://safewater.zendesk.com/hc/en-us/sections/202346427>

MDPH Lead and Copper in Drinking Water FAQ and Quick Facts:

- <https://www.mass.gov/service-details/sources-of-lead-besides-lead-paint>
- [Lead in Drinking Water FAQ \(https://www.mass.gov/media/1571266/\)](https://www.mass.gov/media/1571266/)
- [Copper in Drinking Water FAQ \(https://www.mass.gov/media/1571251/\)](https://www.mass.gov/media/1571251/)

CDC: <http://www.cdc.gov/nceh/lead/default.htm>.

USEPA: <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>

If you have any questions regarding lead or copper in drinking water or your lead or copper sampling results, please feel free to contact: *Small Water System Services* at 978-486-1008.

Sincerely,

**Carlisle Public School**

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<sup>1</sup> The Action Level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

<sup>2</sup> The Maximum Contaminant Level Goal (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.



# Lead and Copper Analysis Report

**I. PWS INFORMATION:** Please refer to your DEP Lead & Copper sampling plan for approved sampling locations.

PWS ID #: **3051004** City / Town: **CARLISLE**  
 PWS Name: **CARLISLE PUBLIC SCHOOL** PWS Class: COM  NTNC  TNC

Routine or Special Samples	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:	
		(1) Reason for Resubmission	(2) Collection Date of Original Sample
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	

SAMPLE NOTES – (Such as, if a Manifold/Multiple sample, list the sources that were on-line during sample collection).

**II. ANALYTICAL LABORATORY INFORMATION:**

Primary Lab MA Cert. #: **M-MA1118** Primary Lab Name: **NASHOBA ANALYTICAL, LLC** Subcontracted? (Y/N) **N**

Analyte	Action Level (mg/L)	Lab Method	MDL (mg/L)	Analysis Lab MA Cert.#	Analysis Lab Name
Lead:	0.015	EPA 200.9	0.001	M-MA1118	Nashoba Analytical, LLC
Copper:	1.3	EPA 200.7	0.004	M-MA1118	Nashoba Analytical, LLC

LAB SAMPLE NOTES

	DEP Approved Sample Location (See DEP approved LCR plan for sampling locations)	Collection Date	LEAD		COPPER		Lab Sample ID#
			Result (mg/L)	Date Analyzed	Result (mg/L)	Date Analyzed	
1	BRICK BLDG B105 – BATHROOM SINK	11/4/20	0.004	11/6/20	0.064	11/6/20	221477-1
2	BRICK BLDG B104 – SINK	11/4/20	0.005	11/6/20	0.078	11/6/20	221477-2
3	SPAULDING BLDG S120 – CLASSROOM SINK	11/4/20	0.011	11/6/20	0.522	11/6/20	221477-3
4	ROBBINS BLDG R232 – CLASSROOM SINK	11/4/20	0.006	11/6/20	0.159	11/6/20	221477-4
5	COREY BLDG C128 – KITCHEN SINK	11/4/20	ND	11/6/20	0.048	11/6/20	221477-5
6	WILKINS BLDG W112 FOUNTAIN – CORRIDOR	11/4/20	ND	11/6/20	0.033	11/6/20	221477-6
7	ROBBINS BLDG R107 CORRIDOR FOUNTAIN	11/4/20	0.012	11/6/20	0.105	11/6/20	221477-7
8	GRANT BLDG G116 CLASSROOM SINK	11/4/20	0.016	11/6/20	0.251	11/6/20	221477-8
9	WILKINS BASEMENT W003-TEST TAP #1-POE	11/5/20	0.001	11/6/20	0.024	11/6/20	221515-1
10	ROBBINS BLDG R116B BATHROOM SINK	11/5/20	0.002	11/6/20	0.562	11/6/20	221515-2
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Report SCHOOL RESULTS collected in accordance with 310 CMR 22.06B (7)(a)9 below. Do not use these school results in 90<sup>th</sup> percentile calculations.

1							
2							
3							
4							

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: *David L. Huot*

Date: 11-9-20

If not submitting these results electronically, mail ONE copy of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.

COM & NTNC Public Water Suppliers must submit Forms LCR-D or LCR-E with this form to the appropriate DEP Regional Office.

DEP REVIEW STATUS (Initial & Date)	Review Comments
<input type="checkbox"/> Accepted <input type="checkbox"/> Disapproved	



# Lead and Copper - 90<sup>th</sup> PERCENTILE COMPLIANCE Report

(For Systems Required to Collect More Than 5 Samples)

### I. PWS INFORMATION: Please refer to your DEP Lead & Copper sampling plan for approved sampling locations.

PWS ID #:	3051004	City / Town:	Carlisle
PWS Name:	Carlisle Public School	PWS Class:	COM <input type="checkbox"/> NTNC <input checked="" type="checkbox"/>
Sampling Frequency: (choose one)	<input type="checkbox"/> FIRST SEMI-ANNUAL SAMPLING PERIOD	<input type="checkbox"/> REDUCED - EVERY THREE YEARS	
	<input checked="" type="checkbox"/> SECOND SEMI-ANNUAL SAMPLING PERIOD	<input type="checkbox"/> LEAD SERVICE LINE (LSL) REPLACEMENT PROGRAM	
	<input type="checkbox"/> REDUCED - ANNUAL	<input type="checkbox"/> DEMONSTRATION	

**Step 1:** Place lead results in ascending order (from lowest to highest value) with lowest value at # 1, in the table below. Repeat for copper results. Please report results that are ND or less than (<) the laboratory's reported detection limit (MDL) as zero. Results at or above the laboratory's detection limit (MDL) but below 0.005 mg/L for lead or 0.05 mg/L for copper shall be reported as measured or may be reported as 0.0025 mg/L for lead or 0.025 mg/L for copper.

**Step 2:** Multiply the total number of samples collected by 0.9 (this is your 90<sup>th</sup> percentile sample number). Round to the nearest whole number, if necessary.

**Step 3:** Compare the sample result at the 90th percentile sample number against the corresponding action level. If the 90th percentile value is higher than the action level, then you have an exceedance and are required to contact MassDEP as soon as possible for information on compliance actions.

Note: Do not include school results on this form unless the PWS is a school. Remember, within 30 days of receipt, you must send individual results to the persons served at each sampled location as per 310 CMR 22.06B(6)(c)<sup>1</sup>.

LEAD RESULTS (mg/L)							
#	Results	#	Results	#	Results	#	Results
1*	0	16		31		46	
2	0	17		32		47	
3	0.001	18		33		48	
4	0.002	19		34		49	
5	0.004	20		35		50	
6	0.005	21		36		51	
7	0.006	22		37		52	
8	0.011	23		38		53	
9	0.012	24		39		54	
10	0.016	25		40		55	
11		26		41		56	
12		27		42		57	
13		28		43		58	
14		29		44		59	
15		30		45		60	

COPPER RESULTS (mg/L)							
#	Results	#	Results	#	Results	#	Results
1*	0.024	16		31		46	
2	0.033	17		32		47	
3	0.048	18		33		48	
4	0.064	19		34		49	
5	0.078	20		35		50	
6	0.105	21		36		51	
7	0.159	22		37		52	
8	0.251	23		38		53	
9	0.522	24		39		54	
10	0.562	25		40		55	
11		26		41		56	
12		27		42		57	
13		28		43		58	
14		29		44		59	
15		30		45		60	

\*Lowest Value

My system was required to collect: 10 lead and copper samples. My system collected: 10 lead and copper samples.

Total # of samples collected: 10 x 0.9 = 9 This number is my system's 90<sup>th</sup> percentile sample #.

Circle the 90<sup>th</sup> percentile sample # for both lead and copper in the table above, and enter the results in the appropriate spaces below.

<u>0.012</u> (Lead result at 90 <sup>th</sup> percentile sample#)	Compared to <u>0.015 mg/L</u> (The lead action level)	<u>0.522</u> (Copper result at 90 <sup>th</sup> percentile sample#)	Compared to <u>1.3 mg/L</u> (The copper action level)
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### II. CERTIFICATION:

Check and complete the correct statement for lead as determined by the above results. If you have an exceedance and you are a community system you must comply with the Consumer Confidence Rule (CCR) reporting requirements in accordance with 310 CMR 22.16A(4)(i)6.

- My system was **at or below** the lead action level.
- My system **exceeded** the lead action level and \_\_\_\_\_ sampling sites **exceeded** the lead action level.  
(Insert # of samples)

Check and complete the correct statement for copper as determined from the above results. If you have an exceedance and you are a community system you must comply with the Consumer Confidence Rule (CCR) reporting requirements in accordance with 310 CMR 22.16A(4)(i)6.

- My system was **at or below** the copper action level.
- My system **exceeded** the copper action level and \_\_\_\_\_ sampling sites **exceeded** the copper action level.  
(Insert # of samples)

*My signature below indicates that all sampling sites on this report have been previously approved in writing by the DEP, and both the sites and sampling procedures used comply with 310 CMR 22.06B(7). I certify under penalty of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best of my knowledge and belief.*

Office Administrator \_\_\_\_\_ Title \_\_\_\_\_  
 Signature of PWS or Owner's Representative Conichau  
 Date 11/11/2020

<sup>1</sup> The Consumer notification form template is available at: [https://www.mass.gov/lists/lead-and-copper-forms-and-templates#lead-and-copper-rule-\(lcr\)-](https://www.mass.gov/lists/lead-and-copper-forms-and-templates#lead-and-copper-rule-(lcr)-)