



Lead and Copper - 90th 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 #: 2022002 City / Town: Ashby

PWS Name: Ashby Elementary School PWS Class: COM NTNC

Sampling Frequency: (choose one)

FIRST SEMI-ANNUAL SAMPLING PERIOD
 SECOND SEMI-ANNUAL SAMPLING PERIOD
 REDUCED - ANNUAL

REDUCED - EVERY THREE YEARS
 LEAD SERVICE LINE (LSL) REPLACEMENT PROGRAM
 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 0.05 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 90th 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.

| LEAD RESULTS (mg/L) | | | | | |
|---------------------|---------|----|---------|----|---------|
| # | Results | # | Results | # | Results |
| 1* | 0.002 | 16 | | 31 | |
| 2 | 0.002 | 17 | | 32 | |
| 3 | 0.002 | 18 | | 33 | |
| 4 | 0.007 | 19 | | 34 | |
| 5 | 0.003 | 20 | | 35 | |
| 6 | 0.003 | 21 | | 36 | |
| 7 | 0.004 | 22 | | 37 | |
| 8 | 0.006 | 23 | | 38 | |
| 9 | 0.007 | 24 | | 39 | |
| 10 | 0.025 | 25 | | 40 | |
| 11 | | 26 | | 41 | |
| 12 | | 27 | | 42 | |
| 13 | | 28 | | 43 | |
| 14 | | 29 | | 44 | |
| 15 | | 30 | | 45 | |
| | | | | 46 | |
| | | | | 47 | |
| | | | | 48 | |
| | | | | 49 | |
| | | | | 50 | |
| | | | | 51 | |
| | | | | 52 | |
| | | | | 53 | |
| | | | | 54 | |
| | | | | 55 | |
| | | | | 56 | |
| | | | | 57 | |
| | | | | 58 | |
| | | | | 59 | |
| | | | | 60 | |

| COPPER RESULTS (mg/L) | | | | | |
|-----------------------|---------|----|---------|----|---------|
| # | Results | # | Results | # | Results |
| 1* | 0.024 | 16 | | 31 | |
| 2 | 0.033 | 17 | | 32 | |
| 3 | 0.051 | 18 | | 33 | |
| 4 | 0.058 | 19 | | 34 | |
| 5 | 0.058 | 20 | | 35 | |
| 6 | 0.062 | 21 | | 36 | |
| 7 | 0.072 | 22 | | 37 | |
| 8 | 0.096 | 23 | | 38 | |
| 9 | 0.11 | 24 | | 39 | |
| 10 | 0.74 | 25 | | 40 | |
| 11 | | 26 | | 41 | |
| 12 | | 27 | | 42 | |
| 13 | | 28 | | 43 | |
| 14 | | 29 | | 44 | |
| 15 | | 30 | | 45 | |
| | | | | 46 | |
| | | | | 47 | |
| | | | | 48 | |
| | | | | 49 | |
| | | | | 50 | |
| | | | | 51 | |
| | | | | 52 | |
| | | | | 53 | |
| | | | | 54 | |
| | | | | 55 | |
| | | | | 56 | |
| | | | | 57 | |
| | | | | 58 | |
| | | | | 59 | |
| | | | | 60 | |



Lead and Copper - 90th PERCENTILE COMPLIANCE Report

(For Systems Required to Collect More Than 5 Samples)

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

| | | | |
|--|--|--|--|
| <u>0.007</u> (Lead result at 90th percentile sample#) | Compared to <u>0.015 mg/L</u> (The lead action level) | <u>0.1</u> (Copper result at 90th percentile sample#) | Compared to <u>1.3 mg/L</u> (The copper action level) |
|--|--|--|--|

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 that I have complied with 310 CMR 22.08B(7). I have also notified the owner of each sampling site of their sites' individual results. 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.

Projects Coordinator
Title

[Signature]
Signature of PWS or Owner's Representative

9/21/16
Date
Page 2 of 2

Please submit Form LCR-C along with this form.



Lead and Copper Analysis Report

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

PWS ID #: **2012002** City / Town: **ASHBY**
 PWS Name: **ASHBY ELEMENTARY 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 | SM 3113B | 0.001 | M-MA1118 | Nashoba Analytical, LLC |
| Copper: | 1.3 | EPA 200.7 | 0.003 | 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 50s GIRLS BATHROOM | 9/5/16 | 0.003 | 9/14/16 | 0.033 | 9/15/16 | 170457-1 |
| 2 50s BOYS BATHROOM | 9/5/16 | 0.006 | 9/14/16 | 0.096 | 9/15/16 | 170457-2 |
| 3 LOWER 90s WING BOYS BATHROOM | 9/5/16 | 0.002 | 9/14/16 | 0.058 | 9/15/16 | 170457-3 |
| 4 LOWER 90s WING GIRLS BATHROOM | 9/5/16 | 0.004 | 9/14/16 | 0.74 | 9/15/16 | 170457-4 |
| 5 ROOM 502 NURSES OFFICE | 9/5/16 | 0.002 | 9/14/16 | 0.072 | 9/15/16 | 170457-5 |
| 6 ROOM 506 TEACHERS LOUNGE | 9/5/16 | 0.002 | 9/14/16 | 0.024 | 9/15/16 | 170457-6 |
| 7 ROOM 509 PARENT RESOURCE ROOM | 9/5/16 | 0.025 | 9/14/16 | 0.058 | 9/15/16 | 170457-7 |
| 8 CAFETERIA KITCHEN SINK | 9/5/16 | 0.002 | 9/14/16 | 0.11 | 9/15/16 | 170457-8 |
| 9 CAFETERIA BOYS BATHROOM | 9/5/16 | 0.003 | 9/14/16 | 0.051 | 9/15/16 | 170457-9 |
| 10 CAFETERIA GIRLS BATHROOM | 9/5/16 | 0.007 | 9/14/16 | 0.062 | 9/15/16 | 170457-10 |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |

Report SCHOOL RESULTS collected in accordance with 310 CMR 22 08B (7)(a)9 below. Do not use these school results in 90th 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 Z. Knowlton
 Date: 9-19-16

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 COMPLIANCE SAMPLING PROGRAM
SCHOOL RESULTS**

PWS Name: Ashby Elementary School
PWS Town: Ashby
PWS ID: 2012002

To Whom It May Concern:

Thank you for your participation in the lead and copper tap monitoring program. This letter is to report the lead and copper results from the sample collected at Ashby Elementary School on 9/5/2016.

The lead and copper 90% percentile sample levels in your water are as follows:

LEAD: 0.007 milligrams per liter (mg/l). This result is above/ below the lead action level. All samples were below the copper action level.

COPPER: 0.11 milligrams per liter (mg/l). This result is above/ below the copper action level. All samples were below the copper action level.

What Does This Mean?

The United States Environmental Protection Agency (EPA) and the Massachusetts Department of Environmental Protection (MassDEP) set the Lead Action Level¹ 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)² 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 <http://www.mass.gov/dep/water/drinking/leadtothe.htm#leadcop>
For more information on copper in drinking water visit <http://www.dnr.state.wi.us/org/water/dwg/copper.htm>

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 Systems Services, LLC*, 978-486-1008.

Check box if applicable: Copy of analytical report attached

Small Water Systems Services

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

² 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.