



Massachusetts Department of Environmental Protection - Drinking Water Program  
**Lead and Copper - 90<sup>th</sup> PERCENTILE COMPLIANCE Report**  
(For Systems Required to Collect 5 Samples)

LCR-E

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

PWS ID #: **1106004** City / Town: **GILL**

PWS Name: **Gill Elementary** PWS Class: **COM** ☐ NTNC ☒

**Sampling Frequency:** (choose one)  
☒ FIRST SEMI-ANNUAL SAMPLING PERIOD ☐ REDUCED - EVERY THREE YEARS  
☐ SECOND SEMI-ANNUAL SAMPLING PERIOD ☐ LEAD SERVICE LINE (LSL) REPLACEMENT PROGRAM  
☐ REDUCED - ANNUAL ☐ 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:** Take the average of the 4<sup>th</sup> and 5<sup>th</sup> highest sample results. This is your 90<sup>th</sup> percentile sample value.

**Step 3:** Compare the 90<sup>th</sup> percentile value against the corresponding action level. If the 90<sup>th</sup> 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: If you collected more than 5 samples you must use the 90<sup>th</sup> Percentile Compliance Report form for more than 5 samples (Form LCR-D). 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).

LEAD RESULTS (mg/L)	
#	All results for sampling period
1*	.0010
2	.0010
3	.0010
4	.0010
5	.0010

COPPER RESULTS (mg/L)	
#	All results for sampling period
1*	.002
2	.002
3	.018
4	.026
5	.065

\*Lowest Value

My system was required to collect **five** lead and copper samples. My system collected \_\_\_\_\_ lead and copper samples. Circle 4<sup>th</sup> and 5<sup>th</sup> highest sample results above, then average the 4<sup>th</sup> and 5<sup>th</sup> highest sample results as follows:

$$\frac{(\text{Value of 4th highest result} + \text{Value of the 5th highest result})}{2} = 90^{\text{th}} \text{ Percentile Value}$$

<u>.001</u> (Lead 90 <sup>th</sup> percentile value)	Compared to <u>0.015 mg/L</u> (The lead action level)	<u>.046</u> (Copper 90 <sup>th</sup> percentile value)	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.

Operator \_\_\_\_\_ Title \_\_\_\_\_ Signature of PWS or Owner's Representative \_\_\_\_\_ Date 06/10/2019

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

PWS Name: Gill Elementary School  
PWS ID: 1106004

Date: 6/18/2019

Dear Consumer:

As you may know, Alphabet Soup Child Care 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 5/14/2019 *samples collected #5*.

[Select between the two following options. Check the box that applies and delete the option not selected:]

- ☒ A total of 5# were taken and the following table provides information on the tap location and the water sample result represented in milligrams per liter (mg/l):

Building Sampling Location	Lead (mg/l)	This result is above the Lead Action Level	Copper (mg/l)	This result is above the Copper Action Level
1. Teachers Bathroom	.0010	<input type="checkbox"/>	.018	<input type="checkbox"/>
2. Room 10 Sink	.0010	<input type="checkbox"/>	.026	<input type="checkbox"/>
3. Room 9 Sink	.0010	<input type="checkbox"/>	.065	<input type="checkbox"/>
4. Room 5 Sink	.0010	<input type="checkbox"/>	.002	<input type="checkbox"/>
5. Kitchen Sink	.0010	<input type="checkbox"/>	.002	<input type="checkbox"/>

- ☒ A total of 5# 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: .0010 milligrams per liter (mg/l). This result is ☐ above/☒ below the Lead Action Level of 0.015 mg/l.  
COPPER: .046 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.

<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.