

Department of Environmental Protection

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LEAD AND COPPER (LCR) REVIEW SUMMARY SHEET

Requirements for Systems that meet the Action Levels

(90th percentile result was equal to or less than the Action Level)

The following is a review summary sheet for the results you submitted to the Department of Environmental Protection (MassDEP) for the compliance and monitoring period specified. This sheet is intended to help you remain in compliance with the LCR. To maintain compliance with the LCR you must take the specific action(s) checked () below with their respective compliance dates. Please refer to the Drinking Water Regulations (310 CMR 22.00) for specific requirements relative to Lead and Copper and Consumer Confidence Report Rules.

| | | | | | |
|-----------|----------------|----------|---------|-------|--------|
| PWS Name: | Granby Schools | PWS ID#: | 1111006 | TOWN: | Granby |
|-----------|----------------|----------|---------|-------|--------|

Sampling Date(s): 5/21/2019

Round #: 8 Revised Form

Compliance Period: 1/1/2019 to 6/30/2019

Frequency: Semiannual Annual Every 3 Years

Monitoring Period: 1/1/2019 to 6/30/2019

Number of Samples Required? 20

School/Childcare samples required per 310 CMR 22.06B(7)(a)9? Yes , No PWS is a school complex.

Is PWS Currently providing treatment? Yes , No

SAMPLING RESULTS FOR LCR COMPLIANCE for the period specified above:

| Parameter | Action Level (AL) (mg/l) | 90 th % (mg/l) | 90 th % >AL? | # samples | # samples above AL |
|-----------|-----------------------------|------------------------------|-------------------------|--------------|-----------------------|
| Lead | 0.015 | 0.005 | no | 20 | 0 |
| Copper | 1.3 | 0.045 | no | 20 | 0 |

SCHOOL/CHILDCARE RESULTS for the period specified above:

School/ Sampling Results required by 310 CMR 22.06B(7)(a)9: This is an additional requirement for community water supplies with every sampling round unless the school/childcare facility has its own well. These four diagnostic samples are in addition to the minimum number required and the results are not used in determining the 90th percentiles for lead and copper. These samples are used to educate the school/school district or facility on the importance of lead and copper sampling and the MassDEP Lead Contamination Control Program (LCCA) for schools and facilities. The results for two (2) sampling sites (kitchen and drinking water source, such as a water fountain) for each of two schools/ facilities are summarized in the table below:

| School/Childcare Sampling Location | Lead (mg/l) | > AL? | Copper (mg/l) | > AL? |
|------------------------------------|-------------|----------|---------------|----------|
| | | yes / no | | yes / no |
| | | yes / no | | yes / no |
| | | yes / no | | yes / no |
| | | yes / no | | yes / no |

PWS REQUIREMENTS WHEN THE LEAD & COPPER ACTION LEVELS ARE MET:

To maintain compliance with the LCR you must take the specific action(s) checked (☒) below with their respective compliance dates.

- Notification to sampling program participants (Consumer Notice) required by 310 CMR 22.06B (6)(c):** All water systems must deliver a consumer notice of lead and copper tap water monitoring results to persons served by the water system at sites that are tested as soon as practical, but no later than 30 days after the system learns of the tap monitoring results.
A notification template for participating homeowners/individuals is available at: <http://www.mass.gov/eea/docs/dep/water/approvals/year-thru-alpha/e-thru-l/lcrhn.doc>
A notification template for participating schools or childcare facilities is available at: <http://www.mass.gov/eea/docs/dep/water/approvals/year-thru-alpha/e-thru-l/lcrsn.doc>
The Consumer Notice shall also include an explanation of the health effects of lead, steps consumers can take to reduce exposure to lead in drinking water, contact information for the public water system, the MCLG and action level for lead. MassDEP recommends that you also include a copy of the Massachusetts Department of Public Health's (MDPH) fact sheet on lead with your consumer notice. MDPH factsheets are available at www.mass.gov/dph/lead-sources
- Certification of notice to sampling program participants (Consumer Notice) required by 310 CMR 22.06B(6)(c):** As soon as practical, but no later than within 90 days of the end of the monitoring period noted above, submit to MassDEP certification that persons served by the taps tested have been notified of the results. For a copy of the Certification form see <http://www.mass.gov/eea/docs/dep/water/approvals/year-thru-alpha/e-thru-l/lccert.doc>
- Consumer Confidence Reporting (CCR) required by 310 CMR 22.16A:** Community systems are required to include lead and copper results as provided above in your Consumer Confidence Report (CCR) except **lead** must be reported in parts per billion (**ppb**). For example, 0.015 mg/l is 15 ppb. Please note that every CCR must include a short informational statement about *lead* in drinking water and its effects on children. Please refer to the CCR requirements of 310 CMR 22.16A(12). For a copy of the CCR Certification form see <http://www.mass.gov/eea/docs/dep/water/approvals/year-thru-alpha/06-thru-d/ccrcert.doc>
- Schools/Childcare Facilities that are a PWS or were sampled by a community system:** Please remove from service any sites where the sample result was elevated for lead and/or copper until corrective action(s) have been taken. Within 60 days of the end of the Monitoring Period, please investigate & notify MassDEP of corrective actions taken to address the elevated lead and/or copper result(s) for samples collected from this school/childcare. Follow the MassDEP LCCA Follow-up Steps for Schools or Childcare Facilities listed at <http://www.mass.gov/eea/docs/dep/water/drinking/alpha/i-thru-z/pbfacts2.doc>.
- School/Childcare Sampling required by 310 CMR 22.06B(7)(a)9: Sampling requirements**
Community systems that serve any schools/childcare facilities must rotate through their list of schools/childcare facilities and collect at least two samples (kitchen and bubbler/fountain) from two schools/childcare facilities during the next sampling round. Samples are to be 250 ml wide-mouthed bottles and follow the same first draw sampling protocol as residential sampling. Samples are to be collected when the school is in regular use. For schools sampling procedures see <http://www.mass.gov/eea/agencies/massdep/water/drinking/how-to-collect-a-drinking-water-sample-for-lead-and-copper.html>
- Systems on reduced monitoring in accordance with 310CMR 22.06B:** Your system is on a reduced sampling frequency. Your next round of 20 samples must be collected during the monitoring period of July 1 – December 31, 2019, as indicated on your approved sampling plan. Please follow your Water Quality Sampling Schedule and your approved Lead and Copper Sampling Plan.
- After approval of the overall sampling plan (LCR-A) by MassDEP, alternative LCR sites may be used without additional prior approval if: (1) the primary site was not above the LCR action level during the previous sampling round (if previously sampled) and (2) the alternate site is at the same or higher tier than the primary site. Alternately, if these two criteria cannot be met then prior written approval from MassDEP is required prior to using the alternate site. The use of alternate sites requires completion of the "Lead and Copper Sampling Plan Change in Sampling Site" form for each alternate site used and submittal of the form(s) to MassDEP with the lead and copper results for the round. A copy of the Lead and Copper Sampling Plan Change in Sampling Site Form is located at <http://www.mass.gov/eea/docs/dep/water/approvals/year-thru-alpha/m-thru-s/pbcuchng.doc>

- Eligibility for Sampling Reduction in accordance with 310 CMR 22.06B:**
A reduction in the frequency of lead/copper sampling is approved: Annual Every 3 years. Your next round samples must be collected during the time period listed on the sampling schedule for your water system. Please see the attached revised sampling schedule for your water system.

Please be aware that if you have been approved for a reduction in the frequency of lead and copper sampling and you routinely collected more than 5 samples per Monitoring Period, you qualify for a one time reduction in the minimum number of samples required to be collected. In order to be approved for a reduction in the **minimum number** of samples required, you must submit a revised sampling plan to MassDEP for review and approval. In developing your revised sampling plan please use the latest sampling round, order the results starting with the lowest lead level and then select every odd numbered site for inclusion in the reduced monitoring plan. However, all Tier 1 sites must be included before a Tier 2 site can be included.

- Corrosion Control Treatment as required by 310 CMR 22.06B(3)(c)3:** For water systems that utilize corrosion control treatment, it is required that they periodically monitor water quality parameters (e.g., pH, alkalinity, inhibitor residual) to ensure that the treatment system is operating optimally and in accordance with target level(s) identified in your desktop study or permit. These parameters can be easily measured in the field by the certified operator at the same time samples for bacteriological analysis are collected from the finished water entry point (plant tap) and at routine distribution sampling locations.
- EPA and MassDEP recommend that systems with corrosion control treatment follow the New EPA "Optimal Corrosion Control Treatment Evaluation Technical Recommendations", when evaluating corrosion control treatment issues. These recommendations provide the most appropriate treatment for controlling lead and copper and complying with the corrosion control treatment (CCT) requirements of the LCR. It is particularly useful for those systems that repeatedly fail to meet the Lead Action Level or are in close proximity to the Action Level. It is an opportunity for PWSs to re-evaluate treatment techniques in the context of possible changing water quality or the need of a more effective method of treatment. The document is available at:
<https://www.epa.gov/dwreginfo/optimal-corrosion-control-treatment-evaluation-technical-recommendations>
- Other: The Lead and Copper 90th Percentile Compliance Report must be submitted by no later than July 10, 2019.

Failure to take any required corrective actions within the deadlines identified above may subject you to enforcement. Violations of M.G.L. c 111, § 160 and 310 CMR 22.00 may result in fines up to \$25,000 per day and/or imprisonment up to one year for each day the violation continues.

REMINDERS

Please see MassDEP recommendations on sharing information with consumers on lead and copper results, lead service line locations, having your certified laboratories use eDEP for reporting drinking water analysis, and other EPA and MassDEP LCR recommendations. These recommendations are located at <http://www.mass.gov/eea/agencies/massdep/water/drinking/lead-in-drinking-water.html>

AVAILABLE RESOURCES

Reporting forms are available on the MassDEP website at: <http://www.mass.gov/eea/agencies/massdep/water/approvals/drinking-water-forms.html#9>

For more information on the Lead and Copper Rule, see <http://www.mass.gov/eea/agencies/massdep/water/approvals/drinking-water-forms.html#10> or contact the Drinking Water Program at program.director-dwp@state.ma.us or 617-292-5770.

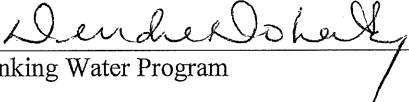
For additional health information to share with your consumers see Massachusetts Department of Public Health's fact sheet on lead located at <http://www.mass.gov/eohhs/docs/dph/environmental/lead/lead-drinking-water-faq-2016.pdf>.

For EPA Lead and Copper Rule Monitoring and Reporting Guidance see <https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockkey=P100DP2P.txt>

FOR QUESTIONS AND MORE INFORMATION

Please contact:

| Name: | Phone #: | Email: |
|-----------------|--------------|--------------------------|
| Catherine Wanat | 413-755-2216 | Catherine.wanat@mass.gov |



Drinking Water Program

Date June 3, 2019

Attachment(s): 90th Percentile Report Form LCR-D

cc: Certified Operator: Linda Tims ecc
Sheryl Stanton, Granby Schools Supt. ecc
Board of Health ecc

DEP Use Only: Data Entry-WQTS

File Copy

W:\BWR\WS\Lead and Copper\2019 LCR Summary Sheets\Granby-1111006-Granby Schools- LCR Summary no ALE-2019-06-03
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Final 10-19-16



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 #: | | City / Town: | |
| PWS Name: | | PWS Class: | COM <input type="checkbox"/> NTNC <input type="checkbox"/> |

| | | |
|-------------------------------------|---|--|
| Sampling Frequency: (choose one) | <input type="checkbox"/> FIRST SEMI-ANNUAL SAMPLING PERIOD | <input type="checkbox"/> REDUCED - EVERY THREE YEARS |
| | <input 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 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. 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) | | | | | | | |
|---------------------|---------|----|---------|----|---------|----|---------|
| # | Results | # | Results | # | Results | # | Results |
| 1* | | 16 | | 31 | | 46 | |
| 2 | | 17 | | 32 | | 47 | |
| 3 | | 18 | | 33 | | 48 | |
| 4 | | 19 | | 34 | | 49 | |
| 5 | | 20 | | 35 | | 50 | |
| 6 | | 21 | | 36 | | 51 | |
| 7 | | 22 | | 37 | | 52 | |
| 8 | | 23 | | 38 | | 53 | |
| 9 | | 24 | | 39 | | 54 | |
| 10 | | 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* | | 16 | | 31 | | 46 | |
| 2 | | 17 | | 32 | | 47 | |
| 3 | | 18 | | 33 | | 48 | |
| 4 | | 19 | | 34 | | 49 | |
| 5 | | 20 | | 35 | | 50 | |
| 6 | | 21 | | 36 | | 51 | |
| 7 | | 22 | | 37 | | 52 | |
| 8 | | 23 | | 38 | | 53 | |
| 9 | | 24 | | 39 | | 54 | |
| 10 | | 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: _____ lead and copper samples. My system collected: _____ lead and copper samples.

Total # of samples collected: _____ x 0.9 = _____ 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.

| | | | |
|--|---|--|---|
| _____ (Lead result at 90 th percentile sample#) | Compared to 0.015 mg/L (The lead action level) | _____ (Copper result at 90 th percentile sample#) | Compared to 1.3 mg/L (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 _____ 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.

| | | |
|-------------|--|------------|
| Title _____ | Signature of PWS or Owner's Representative _____ | Date _____ |
|-------------|--|------------|

¹ 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)-)

