

**Massachusetts Department of Environmental Protection - Drinking Water Program  
Stage 2 Disinfection By-Products Rule (DBPR) Quarterly Compliance Worksheet**

|   |  |  |
|---|--|--|
| <b>PWSID:</b> 1085000   | <b>PWS Name:</b> East Longmeadow DPW Water Division  | <b>City/Town:</b> East Longmeadow  |
| <input checked="" type="radio"/> COM <input type="radio"/> NTNC | <b>Monitoring Frequency:</b> <input checked="" type="radio"/> Quarterly <input type="radio"/> Annual or less | <b>Monitoring Type:</b> <input checked="" type="radio"/> Routine <input type="radio"/> Reduced |

**CERTIFICATION:** 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.

**YEAR:** 2021    **QUARTER:**  Q1: Jan-Mar     Q2: Apr-Jun     Q3: Jul-Sep     Q4: Oct-Dec

**Primary Operator Signature:** \_\_\_\_\_    **Date:** \_\_\_\_\_

**SYSTEMS USING CHLORINATION or CHLORAMINATION - COMPLETE TABLES A, B & C**

**A. CHLORINE RESIDUAL COMPLIANCE**

| Month | Year      | # Samples | Monthly Avg (ppm) | Quarterly Avg (ppm) |   |   |
|-------|-----------|-----------|-------------------|---------------------|---|---|
| Q1    | January   | 2021      | 18                | 0.28                | 0.26  | Min# of Cl <sub>2</sub> distribution samples required per Month: (Same location and frequency as TCR distribution sites). <b>18</b> |
|       | February  | 2021      | 18                | 0.28                |   |   |
|       | March     | 2021      | 18                | 0.23                |   |   |
| Q2    | April     | 2021      | 18                | 0.20                | 0.19  | Minimum # of distribution samples tested in any month: <b>18</b>  |
|       | May       | 2021      | 18                | 0.20                |   |   |
|       | June      | 2021      | 18                | 0.17                |   |   |
| Q3    | July      | 2021      | 18                | 0.15                | 0.18  | Collected < Minimum # of distribution samples? If Yes, then Failure to Monitor Violation for period. <b>NO</b>                      |
|       | August    | 2021      | 18                | 0.22                |   |   |
|       | September | 2021      | 21                | 0.17                |   |   |
| Q4    | October   | 2021      | 18                | 0.20                | 0.20  | <b>Running Annual Average (RAA) (Average of 4 Quarterly Averages): 0.21</b>   |
|       | November  | 2021      | 18                | 0.19                |   |   |
|       | December  | 2020      | 18                | 0.22                |   |   |
|       |           |           |                   |                     | Chlorine MRDL (ppm):  | <b>4.0</b>  |
|       |           |           |                   |                     | Was Chlorine MRDL exceeded? If Yes, then MRDL violation for period. | <b>NO</b>   |

**B. TTHM COMPLIANCE**

| Sample Location       | Q1 (Jan - Mar) |                       | Q2 (Apr - Jun) |                                | Q3 (Jul - Sep) |            | Q4 (Oct - Dec)     |      | OEL <sup>1</sup> Q4 | LRAA |
|-----------------------|----------------|-----------------------|----------------|--------------------------------|----------------|------------|--------------------|------|---------------------|------|
|                       | Date           | ppb                   | Date           | ppb                            | Date           | ppb        | Date               | ppb  |                     |      |
| Denslow Pump Station  | 3/9/2021       | 54.1                  | 6/8/2021       | 61.8                           | 9/8/2021       | 98.8       | 12/8/2021          | 96.1 | <b>88.2</b>         | 77.7 |
| Meadowbrook School    | 3/9/2021       | 54.2                  | 6/8/2021       | 63.7                           | 9/8/2021       | 98.9       | 12/8/2021          | 93.9 | <b>87.6</b>         | 77.7 |
| Harkness Pump Station | 3/9/2021       | 44.5                  | 6/8/2021       | 55.3                           | 9/8/2021       | 83.3       | 12/8/2021          | 84.5 | 76.9                | 66.9 |
| 35 Ainslie Drive      | 3/9/2021       | 56.4                  | 6/8/2021       | 67.2                           | 9/8/2021       | 104.2      | 12/8/2021          | 84.6 | <b>85.2</b>         | 78.1 |
|                       |                |                       |                |                                |                |            |                    |      |                     |      |
|                       |                |                       |                |                                |                |            |                    |      |                     |      |
|                       |                |                       |                |                                |                |            |                    |      |                     |      |
|                       |                |                       |                |                                |                |            |                    |      |                     |      |
|                       |                | <b>MCL = 80 (ppb)</b> |                | Was OEL exceeded? <sup>1</sup> |                | <b>YES</b> | Was MCL exceeded?: |      | <b>NO</b>           |      |

**C. HAA5 COMPLIANCE**

| Sample Location       | Q1 (Jan - Mar) |                       | Q2 (Apr - Jun) |                                | Q3 (Jul - Sep) |            | Q4 (Oct - Dec)     |      | OEL <sup>1</sup> Q4 | LRAA        |
|-----------------------|----------------|-----------------------|----------------|--------------------------------|----------------|------------|--------------------|------|---------------------|-------------|
|                       | Date           | ppb                   | Date           | ppb                            | Date           | ppb        | Date               | ppb  |                     |             |
| Denslow Pump Station  | 3/9/2021       | 38.4                  | 6/8/2021       | 47.8                           | 9/8/2021       | 61.2       | 12/8/2021          | 46.6 | 50.6                | 48.5        |
| Meadowbrook School    | 3/9/2021       | 37.6                  | 6/8/2021       | 45.7                           | 9/8/2021       | 19.6       | 12/8/2021          | 30.8 | 31.7                | 33.4        |
| Harkness Pump Station | 3/9/2021       | 49.0                  | 6/8/2021       | 63.5                           | 9/8/2021       | 103.8      | 12/8/2021          | 80.5 | <b>82.1</b>         | <b>74.2</b> |
| 35 Ainslie Drive      | 3/9/2021       | 25.6                  | 6/8/2021       | 36.8                           | 9/8/2021       | 4.8        | 12/8/2021          | 16.8 | 18.8                | 21.0        |
|                       |                |                       |                |                                |                |            |                    |      |                     |             |
|                       |                |                       |                |                                |                |            |                    |      |                     |             |
|                       |                |                       |                |                                |                |            |                    |      |                     |             |
|                       |                |                       |                |                                |                |            |                    |      |                     |             |
|                       |                | <b>MCL = 60 (ppb)</b> |                | Was OEL exceeded? <sup>1</sup> |                | <b>YES</b> | Was MCL exceeded?: |      | <b>YES</b>          |             |

**D. IMPORTANT COMPLIANCE NOTES**

- PWS has exceeded the OEL for TTHM and/OR HAA5 but is authorized to limit the scope of the OEL evaluation to reporting only. (Refer to letter regarding seasonal OEL exceedances)
- PWS has exceeded the OEL for TTHM and/OR HAA5 and must **complete and submit an Operational Evaluation Report** within 90 days of receipt of the analytical results (systems sampling quarterly only).
- PWS continues to qualify for reduced monitoring based on LRAAs of TTHM and HAA5 (and TOC if applicable)
- PWS **NO LONGER QUALIFIES** for reduced monitoring based on average concentrations of TTHM, HAA5 and/or TOC. (Refer to quarterly monitoring criteria on "Instructions" Tab)

<sup>1</sup>OELs apply to systems sampling quarterly only.