

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

<b>1281000</b>	<b>Springfield Water &amp; Sewer Commission</b>	<b>Springfield &amp; Ludlow</b>
<b>PWSID</b>	<b>PWS Name</b>	<b>City/Town</b>
<b>PWS Class:</b> <b>COM</b>	<b>Monitoring Frequency:</b> <b>Quarterly</b>	<b>Monitoring Type:</b> <b>Routine</b>

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:** **2025**      **QUARTER:** **Q2: Apr-Jun**

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

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

**A. CHLORINE RESIDUAL COMPLIANCE**

	Month	Year	# Samples	Monthly Avg (ppm)
Q1	January	2025	309	0.76
	February	2025	279	0.74
	March	2025	295	0.74
Q2	April	2025	299	0.63
	May	2025	310	0.65
	June	2025	302	0.67
Q3	July	2024	312	0.72
	August	2024	309	0.74
	September	2024	301	0.63
Q4	October	2024	310	0.66
	November	2024	297	0.58
	December	2024	314	0.68

Chlorine Running Annual Average (RAA): (Average of 12 Monthly Averages)	<b>0.68</b>
Chlorine MRDL (ppm):	<b>4.0</b>
Was Chlorine MRDL exceeded? If Yes, then MRDL violation for period.	<b>NO</b>

<sup>1</sup> Note that you are required to notify MassDEP within 10 days of the end of the quarter of any DBPR MCL or MRDL violation. Tier 2 (30 day) Public Notification must also be conducted for all MCL and MRDL violations.

**B. TTHM COMPLIANCE**

Sample Location	Q1 (Jan - Mar)		Q2 (Apr - Jun)		Q3 (Jul - Sep)		Q4 (Oct - Dec)		OEL <sup>2</sup>	LRAA
	Date	ppb	Date	ppb	Date	ppb	Date	ppb	Q2	
10081- Chapin St Pump Station	3/4/2025	53	6/3/2025	68	9/3/2024	62	12/3/2024	78	67	65
10082 -1400 State St Vibra/PV Hospital	3/4/2025	46	6/3/2025	57	9/3/2024	55	12/3/2024	65	56	56
10074 - 833 Page Blvd	3/4/2025	46	6/3/2025	54	9/3/2024	55	12/3/2024	63	54	55
10089- 292 Main Street	3/4/2025	49	6/3/2025	55	9/3/2024	54	12/3/2024	63	56	55
10083- North Main Fire Station	3/4/2025	45	6/3/2025	56	9/3/2024	53	12/3/2024	63	55	54
10085 - Center Street Fire Station	3/4/2025	52	6/3/2025	62	9/3/2024	57	12/3/2024	72	62	61
10086 - 1043 Sumner Ave	3/4/2025	50	6/3/2025	58	9/3/2024	55	12/3/2024	69	59	58
10075- Catalina Pump Station	3/4/2025	51	6/3/2025	60	9/3/2024	57	12/3/2024	72	61	60
		<b>MCL = 80 (ppb)</b>			<b>Was OEL exceeded?<sup>2</sup></b>		<b>NO</b>	<b>Was MCL exceeded?<sup>1</sup></b>		<b>NO</b>

**C. HAA5 COMPLIANCE**

Sample Location	Q1 (Jan - Mar)		Q2 (Apr - Jun)		Q3 (Jul - Sep)		Q4 (Oct - Dec)		OEL <sup>2</sup>	LRAA
	Date	ppb	Date	ppb	Date	ppb	Date	ppb	Q2	
10081- Chapin St Pump Station	3/4/2025	51	6/3/2025	74	9/3/2024	51	12/3/2024	43	<b>61</b>	55
10082 -1400 State St Vibra/PV Hospital	3/4/2025	49	6/3/2025	66	9/3/2024	58	12/3/2024	67	<b>62</b>	60
10074 - 833 Page Blvd	3/4/2025	46	6/3/2025	63	9/3/2024	59	12/3/2024	67	60	59
10089- 292 Main Street	3/4/2025	50	6/3/2025	60	9/3/2024	54	12/3/2024	64	59	57
10083- North Main Fire Station	3/4/2025	47	6/3/2025	64	9/3/2024	59	12/3/2024	70	<b>61</b>	60
10085 - Center Street Fire Station	3/4/2025	48	6/3/2025	71	9/3/2024	64	12/3/2024	60	<b>63</b>	<b>61</b>
10086 - 1043 Sumner Ave	3/4/2025	49	6/3/2025	64	9/3/2024	55	12/3/2024	67	<b>61</b>	59
10075- Catalina Pump Station	3/4/2025	50	6/3/2025	65	9/3/2024	58	12/3/2024	71	<b>63</b>	<b>61</b>
		<b>MCL = 60 (ppb)</b>			<b>Was OEL exceeded?<sup>2</sup></b>		<b>YES</b>	<b>Was MCL exceeded?<sup>1</sup></b>		<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)
- ☐ PWS has exceeded the MCL for TTHM or HAA5 during ANNUAL monitoring and therefore will be subject to **INCREASED monitoring** (quarterly dual sample sets at each location) until further notice.

<sup>2</sup> OELs apply to systems sampling quarterly only.

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1281000  
PWSID

Springfield Water & Sewer Commission  
PWS Name

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**SURFACE OR GWUDI SYSTEMS >499 SEEKING OR ON REDUCED TTHM/HAA5 MONITORING - COMPLETE TABLE E**

				Plant 1		Plant 2		Plant 3		Plant 4	
<b>E.</b>	<b>Plant Name:</b>										
<b>TOC (raw water)</b>		<b>MONTH</b>	<b>YEAR</b>	<b>Monthly Avg (ppm)</b>	<b>Quarterly Avg (ppm)</b>	<b>Monthly Avg (ppm)</b>	<b>Quarterly Avg (ppm)</b>	<b>Monthly Avg (ppm)</b>	<b>Quarterly Avg (ppm)</b>	<b>Monthly Avg (ppm)</b>	<b>Quarterly Avg (ppm)</b>
	<b>Q1</b>	January									
		February									
		March									
	<b>Q2</b>	April									
		May									
		June									
	<b>Q3</b>	July									
		August									
		September									
	<b>Q4</b>	October									
		November									
		December									
	<b>Running Annual Average:</b> (Average of last 4 quarterly averages)										

**SYSTEMS USING OZONATION - COMPLETE TABLE F**

				Plant 1	Plant 2	Plant 3	Plant 4
<b>F.</b>	<b>Plant Name:</b>						
<b>BROMATE (finished water)</b>		<b>MONTH</b>	<b>YEAR</b>	<b>Monthly Avg (ppm)</b>	<b>Monthly Avg (ppm)</b>	<b>Monthly Avg (ppm)</b>	<b>Monthly Avg (ppm)</b>
	<b>Q1</b>	January					
		February					
		March					
	<b>Q2</b>	April					
		May					
		June					
	<b>Q3</b>	July					
		August					
		September					
	<b>Q4</b>	October					
		November					
		December					
	<b>Running Annual Average:</b> (Average of last 12 monthly averages)						
	<b>Was Bromate MCL Exceeded? <sup>1</sup></b> (MCL = 0.010 ppm)						
	<b>Qualify for Reduced Bromate Monitoring?</b> (RAA<0.0025 ppm)						

**DEFINITIONS**

<b>Monthly Average:</b>	Average of all results within the current month.
<b>Quarterly Average:</b>	Average of three monthly averages.
<b>Running Annual Average (RAA):</b>	Average of one year of consecutive compliance periods, including the current one. 4 quarters (THM/HAA5 and TOC) or 12 months (Cl and Bromate).
<b>Total # of Samples:</b>	Total number of samples collected during the monitoring period.
<b>Locational Running Annual Average (LRAA):</b>	RAA from the <u>same</u> sample location. Average of this quarter and three prior consecutive quarterly averages at the same location.
<b>Operational Evaluation Level (OEL):</b>	Average of the two previous quarter's results and twice the current quarter's results

**Note: Record and calculate all ND or < MDL results as the number 0 (zero).**

**COMMENTS:**

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