

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

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

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: **2026** **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	2026	240	0.58
	February	2026	221	0.53
	March	2026	246	0.56
Q2	April	2026	240	0.39
	May	2026	245	0.38
	June	2025	302	0.67
Q3	July	2025	309	0.68
	August	2025	304	0.82
	September	2025	302	0.78
Q4	October	2025	311	0.73
	November	2025	293	0.69
	December	2025	269	0.59

Chlorine Running Annual Average (RAA): (Average of 12 Monthly Averages)	0.62
Chlorine MRDL (ppm):	4.0
Was Chlorine MRDL exceeded? If Yes, then MRDL violation for period.	NO

¹ 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 ²	LRAA
	Date	ppb	Date	ppb	Date	ppb	Date	ppb	Q2	
10081- Chapin St Pump Station	3/3/2026	48	6/2/2026	68	9/2/2025	73	12/3/2025	85	67	69
10082 -1400 State St Vibra/PV Hospital	3/3/2026	41	6/2/2026	55	9/2/2025	61	12/3/2025	80	58	59
10074 - 833 Page Blvd	3/3/2026	39	6/2/2026	53	9/2/2025	63	12/3/2025	77	56	58
10089- 292 Main Street	3/3/2026	41	6/2/2026	53	9/2/2025	61	12/3/2025	75	56	58
10083- North Main Fire Station	3/3/2026	39	6/2/2026	51	9/2/2025	63	12/3/2025	74	54	57
10085 - Center Street Fire Station	3/3/2026	45	6/2/2026	61	9/2/2025	70	12/3/2025	82	62	65
10086 - 1043 Sumner Ave	3/3/2026	37	6/2/2026	51	9/2/2025	64	12/3/2025	73	53	56
10075- Catalina Pump Station	3/3/2026	40	6/2/2026	54	9/2/2025	66	12/3/2025	78	57	60
		MCL = 80 (ppb)			Was OEL exceeded?²		NO	Was MCL exceeded?¹		NO

C. HAA5 COMPLIANCE

Sample Location	Q1 (Jan - Mar)		Q2 (Apr - Jun)		Q3 (Jul - Sep)		Q4 (Oct - Dec)		OEL ²	LRAA
	Date	ppb	Date	ppb	Date	ppb	Date	ppb	Q2	
10081- Chapin St Pump Station	3/3/2026	54	6/2/2026	52	9/2/2025	65	12/3/2025	55	53	57
10082 -1400 State St Vibra/PV Hospital	3/3/2026	52	6/2/2026	56	9/2/2025	70	12/3/2025	74	60	63
10074 - 833 Page Blvd	3/3/2026	50	6/2/2026	57	9/2/2025	68	12/3/2025	75	60	63
10089- 292 Main Street	3/3/2026	54	6/2/2026	58	9/2/2025	62	12/3/2025	62	58	59
10083- North Main Fire Station	3/3/2026	49	6/2/2026	56	9/2/2025	67	12/3/2025	80	60	63
10085 - Center Street Fire Station	3/3/2026	77	6/2/2026	65	9/2/2025	70	12/3/2025	78	71	73
10086 - 1043 Sumner Ave	3/3/2026	70	6/2/2026	53	9/2/2025	68	12/3/2025	69	61	65
10075- Catalina Pump Station	3/3/2026	47	6/2/2026	57	9/2/2025	73	12/3/2025	70	58	62
		MCL = 60 (ppb)			Was OEL exceeded?²		YES	Was MCL exceeded?¹		YES

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.

² OELs apply to systems sampling quarterly only.

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1281000
PWSID

Springfield Water & Sewer Commission
PWS Name

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

SYSTEMS USING OZONATION - COMPLETE TABLE F

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

DEFINITIONS

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