

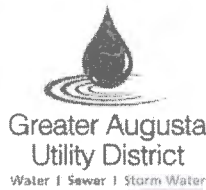
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February 9, 2023

Denise Douin
State of Maine, Drinking Water Program
11 State House Station
Augusta, ME 04333-0011

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for January, 2023.

You should find the following documents:

1. Operating report;
2. Water production report;
3. Triangle fluoridation report;
4. Riverside fluoridation report; and
5. Togus disinfection report.

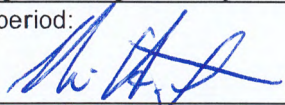
We have made the following modifications to our Coliform Sampling Site Plan due to COVID-19 access restrictions:

1. Pineland Forest booster pump station for Manchester Town Office; and
2. Western Station booster pump station for Quality Inn & Suites

If you have any questions, please contact me at 622-3701.

Sincerely,

Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period:	January, 2023		
Signature: 	2/7/2023		

Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	0.98	7.24	1.32	0.34	7.72	1.19	3.5	12.9		0.9	3.9	
2	0.40	7.24	1.15	0.55	7.72	1.19	1.5	3.8		1.5	6.3	
3	0.83	7.20	1.08	0.70	7.72	1.19	2.9	8.8		1.9	8.0	
4	0.86	7.22	1.20	0.58	7.72	1.18	2.9	11.3	50	1.6	6.6	50
5	0.93	7.26	1.21	0.56	7.72	1.17	3.2	12.1		1.5	6.4	
6	0.93	7.48	1.21	0.58	7.72	1.15	3.1	11.8		1.6	6.5	
7	0.92	7.60	1.22	0.49	7.72	1.15	3.2	11.8		1.3	5.6	
8	0.92	7.52	1.21	0.50	7.72	1.14	3.2	11.6		1.4	5.7	
9	0.92	7.47	0.99	0.57	7.72	1.11	3.1	9.5		1.5	6.6	50
10	0.64	7.50	1.10	0.63	7.71	1.07	2.3	6.8		1.7	7.2	
11	0.97	7.45	1.38	0.62	7.70	1.10	3.5	13.1		1.7	7.0	
12	0.92	7.35	1.27	0.58	7.69	1.16	3.2	12.1		1.6	6.5	
13	0.43	7.33	0.90	0.74	7.69	1.17	1.5	3.1		2.0	8.4	
14	0.96	7.31	0.93	0.51	7.69	1.15	3.6	10.1		1.4	5.7	
15	0.97	7.26	1.18	0.40	7.69	1.12	3.5	13.0		1.1	4.5	
16	0.96	7.18	1.17	0.38	7.69	1.13	3.5	13.0		1.0	4.3	
17	0.96	7.08	1.15	0.48	7.69	1.11	3.6	12.6		1.3	5.4	50
18	0.68	7.05	1.22	0.40	7.69	1.16	2.6	9.2		1.1	4.5	
19	0.96	6.97	1.26	0.64	7.69	1.16	3.5	12.8		1.7	7.5	
20	0.96	6.94	1.30	0.44	7.68	1.14	3.5	12.7	50	1.2	5.1	
21	0.96	6.80	1.31	0.35	7.68	1.12	3.5	12.7		1.0	4.1	
22	0.95	6.61	1.31	0.37	7.68	1.12	3.5	12.6		1.0	4.3	
23	0.95	6.53	1.30	0.37	7.68	1.11	3.5	12.5		1.0	4.4	
24	0.44	6.48	1.26	0.59	7.68	1.06	1.6	5.8		1.6	6.4	
25	0.96	6.43	1.27	0.60	7.68	1.06	3.5	12.4		1.6	6.8	
26	0.95	6.33	1.25	0.34	7.68	0.86	3.5	12.1		0.9	3.8	
27	0.96	6.30	1.25	0.43	7.68	0.65	3.5	12.1		1.1	5.1	
28	0.95	6.30	1.25	0.52	7.68	1.04	3.5	11.9		1.4	5.9	
29	0.95	6.33	1.24	0.51	7.68	1.04	3.5	11.8		1.4	5.7	
30	0.18	6.30	1.17	0.64	7.68	1.04	0.7	2.2		1.7	7.2	50
31	0.82	6.38	1.22	0.87	7.68	1.03	2.7	9.9	50	2.4	9.7	
Summary	26.17	6.98	0.90	16.28	7.70	0.65	94	328	150	44	185	200
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used (fluoride reported separately)					
	Chemical Name	Purpose	Chemical Strength	Total	Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	138	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	513	gallons
NaF	Sodium fluoride	fluoridation		350	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.82

Monthly Well Production Report

System Type - All GW systems

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

Designated operator name and ME License #: **Brian Tarbuck**
2026

btarbuck@greataugustautilitydistrict.org

Reporting period (month and year): **January, 2023**

Signature  **February 7, 2023**

System Information

Treatment plant/pump station: **All wells**
Community System

List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):

Daily water production (MG)

Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.97	0.01	0.00	0.98	0.00	0.34	0.34	1.32
2	0.40	0.00	0.00	0.40	0.00	0.55	0.55	0.95
3	0.27	0.56	0.00	0.83	0.00	0.70	0.70	1.53
4	0.16	0.38	0.32	0.86	0.00	0.58	0.58	1.44
5	0.00	0.00	0.93	0.93	0.00	0.56	0.56	1.49
6	0.00	0.00	0.93	0.93	0.00	0.58	0.58	1.51
7	0.00	0.00	0.92	0.92	0.00	0.49	0.49	1.41
8	0.00	0.00	0.92	0.92	0.00	0.50	0.50	1.42
9	0.00	0.00	0.92	0.92	0.00	0.57	0.57	1.49
10	0.40	0.00	0.24	0.64	0.00	0.63	0.63	1.27
11	0.97	0.00	0.00	0.97	0.00	0.62	0.62	1.59
12	0.32	0.60	0.00	0.92	0.00	0.58	0.58	1.50
13	0.38	0.05	0.00	0.43	0.00	0.74	0.74	1.17
14	0.96	0.00	0.00	0.96	0.00	0.50	0.51	1.47
15	0.97	0.00	0.00	0.97	0.00	0.40	0.40	1.37
16	0.96	0.00	0.00	0.96	0.00	0.38	0.38	1.34
17	0.96	0.00	0.00	0.96	0.00	0.48	0.48	1.44
18	0.68	0.00	0.00	0.68	0.00	0.40	0.40	1.08
19	0.96	0.00	0.00	0.96	0.00	0.64	0.64	1.60
20	0.96	0.00	0.00	0.96	0.00	0.44	0.44	1.40
21	0.96	0.00	0.00	0.96	0.00	0.35	0.35	1.31
22	0.95	0.00	0.00	0.95	0.00	0.37	0.37	1.32
23	0.95	0.00	0.00	0.95	0.00	0.37	0.37	1.32
24	0.44	0.00	0.00	0.44	0.00	0.59	0.59	1.03
25	0.96	0.00	0.00	0.96	0.00	0.60	0.60	1.56
26	0.95	0.00	0.00	0.95	0.00	0.34	0.34	1.29
27	0.96	0.00	0.00	0.96	0.00	0.43	0.43	1.39
28	0.95	0.00	0.00	0.95	0.00	0.52	0.52	1.47
29	0.95	0.00	0.00	0.95	0.00	0.50	0.51	1.46
30	0.18	0.00	0.00	0.18	0.00	0.64	0.64	0.82
31	0.00	0.23	0.59	0.82	0.00	0.86	0.87	1.69
Sum	18.57	1.83	5.77	26.17	0.00	16.25	16.28	42.45

Percent Triangle 62%
Percent Riverside 38%

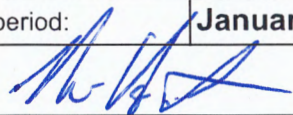
Average flow: 1.37

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

Reporting period: **January, 2023**

Signature:  2/9/2023

System Information

Treatment plant: **Triangle Station**

Chemical Used: **Sodium fluoride**

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
1/5/23 12:55	0.65	Western Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.98	29	0.78	0.53
2	0.40	12	0.78	0.53
3	0.83	24	0.74	0.51
4	0.86	22	0.82	0.46
5	0.93	26	0.80	0.51
6	0.93	26	0.70	0.50
7	0.92	26	0.69	0.51
8	0.92	25	0.69	0.49
9	0.92	26	0.69	0.50
10	0.64	19	0.72	0.52
11	0.97	29	0.75	0.54
12	0.92	26	0.69	0.52
13	0.43	13	0.80	0.53
14	0.96	28	0.82	0.53
15	0.97	26	0.71	0.49
16	0.96	26	0.70	0.49
17	0.96	26	0.70	0.49
18	0.68	19	0.70	0.49
19	0.96	26	0.68	0.49
20	0.96	26	0.68	0.49
21	0.96	26	0.68	0.49
22	0.95	26	0.68	0.49
23	0.95	26	0.67	0.49
24	0.44	12	0.68	0.49
25	0.96	26	0.67	0.49
26	0.95	26	0.67	0.50
27	0.96	26	0.67	0.49
28	0.95	25	0.67	0.48
29	0.95	26	0.66	0.48
30	0.18	5	0.66	0.48
31	0.82	21	0.67	0.46
Avg	0.84	23.35	0.71	0.50
Min	0.18	4.80	0.66	0.46
Max	0.98	29.10	0.82	0.54
Total	26.17	723.70		

Operating comments

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**
 PWSID#: 90080
 Reporting period: **January, 2023**

System Information
 Treatment plant: **Riverside Station**
 Chemical Used: **Sodium fluoride**

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
1/5/23 8:55	0.78	12 Williams Street	0.7

Signature:  2/9/2023

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.34	13	0.76	0.69
2	0.55	21	0.76	0.68
3	0.70	26	0.81	0.68
4	0.58	22	0.78	0.68
5	0.56	21	0.74	0.68
6	0.58	22	0.74	0.68
7	0.49	18	0.74	0.67
8	0.50	19	0.74	0.67
9	0.57	21	0.79	0.68
10	0.63	24	0.77	0.68
11	0.62	23	0.74	0.68
12	0.58	22	0.76	0.68
13	0.74	27	0.75	0.67
14	0.51	19	0.74	0.66
15	0.40	15	0.74	0.66
16	0.38	14	0.74	0.67
17	0.48	18	0.75	0.68
18	0.40	15	0.75	0.68
19	0.64	24	0.76	0.69
20	0.44	16	0.56	0.65
21	0.35	13	0.76	0.68
22	0.37	14	0.76	0.69
23	0.37	14	0.76	0.69
24	0.59	22	0.74	0.67
25	0.60	23	0.76	0.68
26	0.34	13	0.81	0.69
27	0.43	16	0.82	0.69
28	0.52	20	0.82	0.69
29	0.51	19	0.82	0.67
30	0.64	24	0.82	0.68
31	0.87	33	0.82	0.67
Avg	0.53	19.74	0.76	0.68
Min	0.34	12.94	0.56	0.65
Max	0.87	32.62	0.82	0.69
Total	16.28	611.86		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: January, 2023

Reporting date: 2/9/2023



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
1/1/2023	47,392	2.49	0.95	
1/2/2023	53,051	2.55	1.24	
1/3/2023	54,206	2.65	1.16	
1/4/2023	54,052	2.60	1.15	
1/5/2023	54,706	2.54	1.21	
1/6/2023	54,283	2.58	1.13	
1/7/2023	53,244	2.55	1.15	
1/8/2023	-	2.57	0.00	valve closed, no flow
1/9/2023	53,898	2.58	1.12	
1/10/2023	54,013	2.62	1.15	
1/11/2023	53,936	2.52	1.07	
1/12/2023	54,899	2.64	1.09	
1/13/2023	47,122	2.49	0.96	
1/14/2023	47,199	2.51	0.98	
1/15/2023	47,276	2.45	0.99	
1/16/2023	-	2.43	0.00	valve closed, no flow
1/17/2023	61,059	2.46	1.20	
1/18/2023	47,392	2.50	0.97	
1/19/2023	54,283	2.60	1.17	
1/20/2023	53,782	2.55	1.16	
1/21/2023	47,353	2.38	0.94	
1/22/2023	47,199	2.50	0.97	
1/23/2023	54,783	2.47	1.06	
1/24/2023	60,712	2.50	1.21	
1/25/2023	55,938	2.55	1.18	
1/26/2023	61,559	2.46	1.25	
1/27/2023	54,283	2.48	1.11	
1/28/2023	53,782	2.35	0.94	
1/29/2023	-	2.45	0.00	valve closed, no flow
1/30/2023	54,013	2.47	1.14	
1/31/2023	95,207	2.56	2.07	
Sum	1,530,626		32	
Average	49,375	2.52	1.02	
Max		2.65		