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February 10, 2020

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 the month of January, 2020.

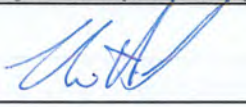
You should find the following documents:

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

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

Sincerely,

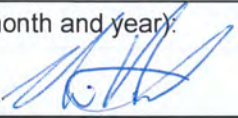
Brian Tarbuck, PE, System Class IV 2026

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, 2020		
Signature:	 2/10/2020		

Water production, pH and free chlorine residual							Chemical usage					
Triangle Station			Riverside Station				Triangle Station			Riverside Station		
Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH		Calc	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	0.65	7.69	1.04	0.59	7.38	1.00	1	6		1.3	5	
2	1.17	7.66	1.04	0.62	7.40	0.98	3	12		1.4	6	
3	0.93	7.66	1.02	0.63	7.39	0.94	1	9	50	1.5	6	50
4	0.56	7.67	1.02	0.57	7.40	0.84	2	5		1.3	5	
5	0.58	7.67	1.00	0.73	7.40	0.84	1	6		1.6	6	
6	0.79	7.63	1.01	0.63	7.41	0.84	1	8	50	1.4	5	
7	0.98	7.61	1.01	0.58	7.42	0.86	2	9		1.4	5	
8	0.99	7.61	1.02	0.69	7.41	0.84	2	10		1.5	6	
9	1.19	7.57	1.07	0.32	7.43	0.83	3	13		0.7	3	
10	1.21	7.59	1.02	0.53	7.42	0.91	2	12		1.2	5	
11	0.92	7.61	1.05	0.55	7.43	0.91	2	9		1.3	5	
12	1.01	7.62	1.00	0.48	7.44	0.88	2	10		1.0	4	
13	0.54	7.60	1.02	0.68	7.45	0.90	1	5		1.5	6	50
14	1.11	7.62	1.13	0.41	7.45	0.89	2	11		0.9	4	50
15	0.92	7.63	1.14	0.68	7.44	0.88	2	10	50	1.5	6	
16	0.92	7.63	1.14	0.62	7.44	0.87	2	9		1.4	6	
17	0.92	7.61	1.13	0.64	7.44	0.87	2	9		1.4	6	
18	0.91	7.61	1.14	0.49	7.45	0.87	2	9		1.1	5	
19	0.91	7.64	1.14	0.53	7.45	0.85	2	10		1.1	5	
20	0.98	7.61	1.08	0.48	7.45	0.85	2	9		1.0	4	
21	0.89	7.62	1.10	0.52	7.48	0.88	2	9		1.2	5	
22	1.20	7.65	1.00	0.57	7.47	0.93	3	12		1.2	5	
23	0.96	7.64	1.00	0.50	7.49	0.94	2	9	100	1.1	5	
24	0.96	7.63	1.05	0.56	7.50	0.94	2	10		1.2	5	
25	0.96	7.63	1.11	0.39	7.51	0.92	2	10		0.9	3	
26	0.70	7.66	1.11	0.60	7.52	0.92	2	7		1.3	5	
27	1.22	7.65	1.11	0.42	7.53	0.92	2	13		0.9	4	
28	1.10	7.61	1.14	0.48	7.54	0.93	2	11		1.1	4	
29	1.10	7.59	1.13	0.49	7.57	0.86	3	11	100	1.1	5	
30	0.90	7.58	1.11	0.64	7.64	0.90	2	9		1.3	6	
31	1.10	7.59	1.14	0.52	7.65	0.85	2	11		1.1	5	300
Summary	29.29	7.63	1.00	17.15	7.46	0.83	61	295	350	38	153	450
	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	98 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	447 gallons
NaF	Sodium fluoride	fluoridation		800 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:	0.71

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):	January, 2020		
Signature		February 10, 2020	

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	0.28	0.37	0.01	0.65	0.59	0.00	0.59	1.24
2	0.57	0.20	0.40	1.17	0.62	0.00	0.62	1.79
3	0.48	0.00	0.45	0.93	0.63	0.00	0.63	1.57
4	0.33	0.00	0.23	0.56	0.57	0.00	0.57	1.13
5	0.41	0.00	0.17	0.58	0.73	0.00	0.73	1.31
6	0.05	0.27	0.47	0.79	0.63	0.00	0.63	1.41
7	0.00	0.37	0.61	0.98	0.58	0.00	0.58	1.56
8	0.00	0.37	0.62	0.99	0.69	0.00	0.69	1.68
9	0.00	0.29	0.90	1.19	0.32	0.00	0.32	1.51
10	0.16	0.32	0.73	1.21	0.53	0.00	0.53	1.73
11	0.00	0.09	0.83	0.92	0.55	0.00	0.55	1.48
12	0.11	0.33	0.57	1.01	0.47	0.01	0.48	1.49
13	0.00	0.35	0.19	0.54	0.68	0.00	0.68	1.22
14	0.00	0.89	0.22	1.11	0.41	0.00	0.41	1.52
15	0.00	0.92	0.00	0.92	0.68	0.00	0.68	1.61
16	0.00	0.91	0.00	0.92	0.62	0.00	0.62	1.54
17	0.00	0.92	0.00	0.92	0.64	0.00	0.64	1.56
18	0.00	0.91	0.00	0.91	0.49	0.00	0.49	1.40
19	0.00	0.91	0.00	0.91	0.52	0.00	0.53	1.44
20	0.00	0.56	0.42	0.98	0.48	0.00	0.48	1.46
21	0.30	0.54	0.05	0.89	0.52	0.00	0.52	1.41
22	0.95	0.00	0.24	1.20	0.57	0.00	0.57	1.77
23	0.96	0.00	0.00	0.96	0.50	0.00	0.50	1.47
24	0.96	0.00	0.00	0.96	0.56	0.00	0.56	1.52
25	0.96	0.00	0.00	0.96	0.39	0.00	0.39	1.34
26	0.70	0.00	0.00	0.70	0.60	0.00	0.60	1.31
27	0.31	0.28	0.64	1.22	0.42	0.00	0.42	1.65
28	0.00	0.00	1.10	1.10	0.48	0.00	0.48	1.58
29	0.00	0.00	1.10	1.10	0.06	0.43	0.49	1.59
30	0.00	0.00	0.90	0.90	0.00	0.64	0.64	1.54
31	0.00	0.00	1.09	1.10	0.00	0.52	0.52	1.61
Sum	7.53	9.80	11.96	29.29	15.55	1.59	17.15	46.44

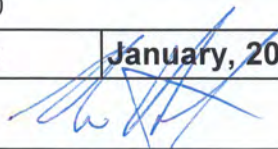
Percent Triangle 63%

Percent Riverside 37%

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: Triangle Station	
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride	
PWSID#: 90080			
Reporting period:	January, 2020	Notes: See notes below for specific operating conditions.	
Signature:	2/10/2020	Date	GAUD mg/L
		1/22/2020 13:15	0.71
		Location	HETL mg/L
		Quality Inn & Suites	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.65	20	0.70	0.56
2	1.17	36	0.69	0.56
3	0.93	27	0.72	0.52
4	0.56	17	0.74	0.55
5	0.58	18	0.74	0.57
6	0.79	23	0.75	0.52
7	0.98	31	0.76	0.56
8	0.99	31	0.77	0.57
9	1.19	38	0.72	0.57
10	1.21	38	0.65	0.56
11	0.92	29	0.64	0.56
12	1.01	31	0.63	0.56
13	0.54	16	0.64	0.54
14	1.11	36	0.63	0.58
15	0.92	26	0.63	0.52
16	0.92	31	0.74	0.61
17	0.92	30	0.78	0.58
18	0.91	31	0.77	0.60
19	0.91	31	0.74	0.60
20	0.98	31	0.72	0.56
21	0.89	30	0.72	0.60
22	1.20	38	0.69	0.58
23	0.96	27	0.71	0.51
24	0.96	31	0.74	0.58
25	0.96	31	0.77	0.58
26	0.70	22	0.75	0.57
27	1.22	38	0.74	0.55
28	1.10	34	0.69	0.56
29	1.10	32	0.72	0.52
30	0.90	29	0.72	0.58
31	1.10	35	0.72	0.58
Avg	0.94	29.60	0.71	0.56
Min	0.54	16.29	0.63	0.51
Max	1.22	38.45	0.78	0.61
Total	29.29	917.66		

Operating comments

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>	
System Name:	Greater Augusta Utility District	Chemical Used: <u>Sodium fluoride</u>	
PWSID#: 90080			
Reporting period:	January, 2020	Notes: See notes below for specific operating conditions.	
Signature:		Date	GAUD mg/L
	2/10/2020	1/22/2020 12:00	0.79
		Location	HETL mg/L
		12 Williams Street	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.59	19	0.66	0.58
2	0.62	21	0.65	0.61
3	0.63	18	0.70	0.51
4	0.57	19	0.79	0.60
5	0.73	24	0.82	0.59
6	0.63	20	0.75	0.57
7	0.58	19	0.69	0.59
8	0.69	22	0.67	0.57
9	0.32	10	0.67	0.57
10	0.53	18	0.64	0.61
11	0.55	18	0.63	0.59
12	0.48	15	0.61	0.56
13	0.68	21	0.64	0.55
14	0.41	10	0.68	0.44
15	0.68	22	0.67	0.58
16	0.62	20	0.69	0.58
17	0.64	21	0.71	0.59
18	0.49	16	0.72	0.59
19	0.53	18	0.72	0.62
20	0.48	12	0.66	0.45
21	0.52	18	0.75	0.62
22	0.57	20	0.75	0.64
23	0.50	17	0.78	0.61
24	0.56	18	0.77	0.58
25	0.39	10	0.69	0.47
26	0.60	18	0.69	0.54
27	0.42	12	0.65	0.51
28	0.48	14	0.64	0.53
29	0.49	18	0.59	0.66
30	0.64	2	0.27	0.06
31	0.52	1	0.11	0.03
Avg	0.55	16.48	0.66	0.54
Min	0.32	1.00	0.11	0.03
Max	0.73	24.00	0.82	0.66
Total	17.15	511.00		

Operating comments

Fluoridation system offline for cleaning / maintenance

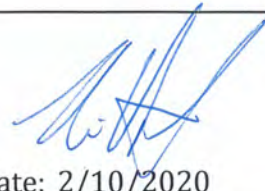
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: January, 2020

Reporting date: 2/10/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
12/1/2019	62,703	1.27	0.4	
12/2/2019	68,450	1.29	0.5	
12/3/2019	69,390	1.53	0.5	
12/4/2019	75,660	1.44	0.5	
12/5/2019	72,200	1.40	0.5	
12/6/2019	74,730	1.24	0.5	
12/7/2019	64,700	1.34	0.5	
12/8/2019	63,500	1.37	0.4	
12/9/2019	66,990	1.18	0.5	
12/10/2019	74,060	1.35	0.5	
12/11/2019	74,060	1.32	0.6	
12/12/2019	71,660	1.47	0.5	
12/13/2019	70,730	1.44	0.5	
12/14/2019	62,290	1.29	0.4	
12/15/2019	2,410	1.23	-	
12/16/2019	107,350	1.14	0.8	
12/17/2019	87,570	1.23	0.6	
12/18/2019	69,650	1.26	0.5	
12/19/2019	72,330	1.19	0.5	
12/20/2019	70,050	1.27	0.4	
12/21/2019	63,100	1.36	0.4	
12/22/2019	0	1.19	-	no consumption
12/23/2019	71,130	1.11	0.5	
12/24/2019	65,510	1.12	0.4	
12/25/2019	63,500	1.21	0.4	
12/26/2019	68,180	1.22	0.5	
12/27/2019	71,250	1.28	0.5	
12/28/2019	62,570	1.32	0.5	
12/29/2019	930	1.20	-	no consumption
12/30/2019	131,160	1.22	0.9	
12/31/2019	63,100	1.28	0.4	
Sum	2,040,913		14.2	
Average	65,836	1.3	0.5	
Max		1.5		

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March 6, 2020

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 the month of February, 2020.

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.

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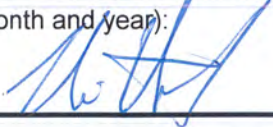
Brian Tarbuck, PE, System Class IV 2026

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@greteraugustautilitydistrict.org			
Reporting period:	February, 2020		
Signature:		3/5/2020	

Water production, pH and free chlorine residual							Chemical usage					
Triangle Station			Riverside Station				Triangle Station			Riverside Station		
Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH		Calc	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	0.79	7.60	1.13	0.43	7.65	0.83	2	8		1.0	4	
2	1.05	7.63	1.16	0.54	7.65	0.86	2	11		1.1	5	
3	0.93	7.65	1.25	0.55	7.64	0.92	2	9		1.2	6	
4	1.39	7.64	1.13	0.42	7.65	0.91	3	13		0.9	4	
5	0.97	7.62	1.15	0.55	7.65	0.90	2	10		1.2	6	
6	0.94	7.61	1.14	0.72	7.66	0.90	1	10		1.5	7	
7	0.91	7.64	1.16	0.45	7.67	0.90	2	8		0.9	5	50
8	0.91	7.60	1.17	0.71	7.67	0.89	2	9		1.5	7	
9	0.60	7.59	1.12	0.70	7.69	0.90	1	6		1.5	7	
10	0.52	7.62	1.10	0.67	7.70	0.91	1	5	100	1.4	7	
11	0.91	7.63	1.07	0.64	7.71	0.91	2	9		1.4	7	
12	0.97	7.62	1.07	0.64	7.70	0.91	2	9		1.4	7	
13	0.64	7.63	1.05	0.74	7.79	0.89	2	7		1.5	8	
14	0.96	7.59	1.07	0.61	7.80	0.87	2	9		1.3	6	
15	0.96	7.57	1.06	0.56	7.80	0.87	2	10		1.2	6	
16	0.71	7.60	1.04	0.67	7.80	0.87	1	7		1.4	7	
17	1.02	7.59	1.03	0.43	7.80	0.87	2	10		0.9	5	
18	0.68	7.59	1.03	0.60	7.80	0.86	2	6	100	1.3	6	50
19	0.75	7.63	1.06	0.70	7.80	0.86	2	8		1.4	7	
20	0.74	7.60	1.08	0.88	7.80	0.85	1	7		1.9	9	
21	0.92	7.58	1.12	0.88	7.81	0.90	2	9		1.8	9	
22	0.55	7.60	1.11	0.88	7.81	0.96	1	5		1.8	9	
23	0.55	7.60	1.09	0.88	7.81	0.89	1	6		1.8	9	
24	1.21	7.60	1.06	0.56	7.81	0.93	3	11		1.2	6	
25	0.92	7.61	1.13	0.65	7.81	0.94	2	9		1.3	7	
26	0.92	7.60	1.15	0.58	7.80	0.96	2	9		1.2	6	
27	0.91	7.62	1.16	0.68	7.81	0.96	2	10		1.4	7	
28	0.64	7.62	1.13	0.73	7.81	1.01	2	6		1.5	8	
29	0.91	7.60	1.14	0.83	7.80	1.03	2	9		1.7	8	
Summary	24.90	7.61	1.03	18.90	7.75	0.83	53	247	200	40	195	100
	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	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	93 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	442 gallons
NaF	Sodium fluoride	fluoridation		300 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:	0.72

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):		February, 2020	
Signature 		March 6, 2020	

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	0.00	0.00	0.79	0.79	0.00	0.43	0.43	1.23
2	0.00	0.00	1.05	1.05	0.00	0.54	0.54	1.60
3	0.37	0.54	0.02	0.93	0.00	0.55	0.55	1.47
4	0.50	0.89	0.00	1.39	0.00	0.42	0.42	1.82
5	0.05	0.91	0.01	0.97	0.00	0.55	0.55	1.52
6	0.01	0.92	0.02	0.94	0.00	0.72	0.72	1.67
7	0.00	0.90	0.01	0.91	0.00	0.45	0.45	1.35
8	0.00	0.91	0.00	0.91	0.00	0.71	0.71	1.62
9	0.07	0.53	0.00	0.60	0.00	0.70	0.70	1.31
10	0.25	0.27	0.00	0.52	0.00	0.67	0.67	1.19
11	0.90	0.00	0.00	0.91	0.00	0.64	0.64	1.55
12	0.96	0.00	0.00	0.97	0.00	0.64	0.64	1.61
13	0.64	0.00	0.00	0.64	0.00	0.74	0.74	1.38
14	0.96	0.00	0.00	0.96	0.00	0.61	0.61	1.58
15	0.95	0.00	0.00	0.96	0.00	0.56	0.56	1.52
16	0.70	0.00	0.00	0.71	0.00	0.67	0.67	1.37
17	0.66	0.00	0.37	1.02	0.00	0.43	0.43	1.45
18	0.40	0.27	0.00	0.68	0.00	0.60	0.60	1.27
19	0.13	0.62	0.00	0.75	0.00	0.70	0.70	1.45
20	0.00	0.74	0.00	0.74	0.00	0.88	0.88	1.62
21	0.00	0.92	0.00	0.92	0.00	0.88	0.88	1.81
22	0.00	0.54	0.01	0.55	0.00	0.88	0.88	1.43
23	0.00	0.55	0.00	0.55	0.00	0.88	0.88	1.44
24	0.37	0.52	0.31	1.21	0.00	0.56	0.56	1.77
25	0.00	0.92	0.00	0.92	0.00	0.65	0.65	1.57
26	0.00	0.92	0.00	0.92	0.00	0.58	0.58	1.51
27	0.00	0.91	0.00	0.91	0.00	0.68	0.68	1.60
28	0.00	0.63	0.00	0.64	0.00	0.73	0.73	1.36
29	0.00	0.91	0.00	0.91	0.00	0.83	0.83	1.74
Sum	7.93	14.33	2.63	24.90	0.00	18.90	18.90	43.79

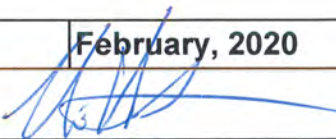
Percent Triangle 57%
Percent Riverside 43%

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: Triangle Station	
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride	
PWSID#: 90080			
Reporting period:	February, 2020	Notes: See notes below for specific operating conditions.	
Signature:	3/5/2020	Date	GAUD mg/L
		2/12/2020 13:20	0.67
		Location	HETL mg/L
		Quality Inn & Suites	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.79	25	0.72	0.57
2	1.05	35	0.70	0.59
3	0.93	29	0.74	0.56
4	1.39	45	0.73	0.58
5	0.97	32	0.75	0.59
6	0.94	29	0.73	0.55
7	0.91	27	0.71	0.54
8	0.91	28	0.70	0.56
9	0.60	19	0.70	0.58
10	0.52	12	0.69	0.41
11	0.91	10	0.35	0.21
12	0.97	20	0.49	0.36
13	0.64	21	0.73	0.58
14	0.96	29	0.74	0.54
15	0.96	30	0.75	0.56
16	0.71	22	0.75	0.57
17	1.02	32	0.74	0.56
18	0.68	16	0.69	0.41
19	0.75	24	0.63	0.57
20	0.74	22	0.64	0.55
21	0.92	29	0.71	0.56
22	0.55	16	0.75	0.52
23	0.55	17	0.75	0.57
24	1.21	37	0.75	0.56
25	0.92	28	0.73	0.55
26	0.92	29	0.73	0.56
27	0.91	29	0.72	0.56
28	0.64	20	0.72	0.55
29	0.91	27	0.72	0.54
Avg	0.86	25.48	0.70	0.53
Min	0.52	10.36	0.35	0.21
Max	1.39	44.78	0.75	0.59
Total	24.90	738.91		

Operating comments

Low residual due to unplanned pump system maintenance

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>			
System Name:	Greater Augusta Utility District	Chemical Used: <u>Sodium fluoride</u>			
PWSID#: 90080		Notes: See notes below for specific operating conditions.			
Reporting period:	February, 2020	Date	GAUD mg/L	Location	HETL mg/L
Signature: 	3/5/2020	2/12/2020 12:50	0.68	12 Williams Street	0.5

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.43	0	0.10	0.00
2	0.54	0	0.10	0.00
3	0.55	11	0.21	0.36
4	0.42	16	0.60	0.68
5	0.55	20	0.76	0.65
6	0.72	26	0.84	0.65
7	0.45	12	0.78	0.48
8	0.71	24	0.78	0.61
9	0.70	23	0.81	0.59
10	0.67	21	0.81	0.56
11	0.64	21	0.73	0.59
12	0.64	20	0.63	0.56
13	0.74	24	0.60	0.58
14	0.61	20	0.74	0.59
15	0.56	17	0.82	0.55
16	0.67	21	0.83	0.57
17	0.43	14	0.84	0.59
18	0.60	17	0.74	0.51
19	0.70	22	0.66	0.56
20	0.88	29	0.69	0.59
21	0.88	28	0.69	0.57
22	0.88	29	0.67	0.59
23	0.88	28	0.67	0.57
24	0.56	18	0.66	0.58
25	0.65	20	0.67	0.56
26	0.58	19	0.67	0.58
27	0.68	21	0.67	0.55
28	0.73	23	0.66	0.57
29	0.83	25	0.65	0.55
Avg	0.65	19.62	0.66	0.53
Min	0.42	0.00	0.10	0.00
Max	0.88	29.00	0.84	0.68
Total	18.90	569.00		

Operating comments

Fluoridation system offline for cleaning beginning on 1/31; returned to service on 2/3.

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: February, 2020

Reporting date: 3/6/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
2/1/2020	63,508	1.37	0.4	
2/2/2020	0	1.34	-	no consumption
2/3/2020	124,063	1.22	0.8	
2/4/2020	74,328	1.29	0.6	
2/5/2020	76,070	1.40	0.5	
2/6/2020	73,930	1.26	0.4	
2/7/2020	72,594	1.35	0.5	
2/8/2020	66,844	1.52	0.4	
2/9/2020	65,648	1.50	0.5	
2/10/2020	73,523	1.45	0.5	
2/11/2020	72,859	1.45	0.5	
2/12/2020	72,734	1.39	0.4	
2/13/2020	72,727	1.45	0.6	
2/14/2020	71,117	1.47	0.5	
2/15/2020	66,711	1.43	0.5	
2/16/2020	63,641	1.45	0.5	
2/17/2020	61,766	1.51	0.5	
2/18/2020	68,180	1.49	0.5	
2/19/2020	71,125	1.60	0.6	
2/20/2020	72,727	1.61	0.5	
2/21/2020	69,922	1.59	0.5	
2/22/2020	62,828	1.60	0.5	
2/23/2020	0	1.60	-	no consumption
2/24/2020	75,805	1.53	0.5	
2/25/2020	126,469	1.50	1.0	
2/26/2020	72,063	1.56	0.5	
2/27/2020	70,852	1.77	0.5	
2/28/2020	70,859	1.61	0.6	
2/29/2020	60,297	1.56	0.4	
Sum	1,993,187		14.4	
Average	68,731	1.5	0.5	
Max		1.8		

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Charlotte Warren, Hallowell voting member
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April 2, 2020

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 the month of March, 2020.

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 lost two of our 7 weekly coliform sampling sites due to sites denying us access due to CDC recommendations regarding reducing the spread of coronavirus. I'm going to see if we can find two temporary substitute sites but in the meantime if we collect 20 samples per month we're still collecting more than 15 as required so I presume we'll remain compliant.

Incidentally, it appears our water production is around 12% less than the average of January and February combined.

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

Be excellent to each other,

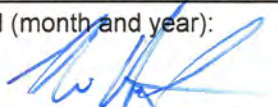
Brian Tarbuck, PE, System Class IV 2026

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@greteraugustautilitydistrict.org			
Reporting period: March, 2020			
Signature:  4/2/2020			

	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	0.59	7.59	1.10	0.74	7.80	1.02	1	6		1.5	7.7	
2	0.69	7.61	1.07	0.88	7.80	1.02	1	7		1.9	9.1	50
3	0.96	7.62	1.05	0.59	7.80	1.01	2	10	100	1.2	6.1	
4	0.96	7.61	1.07	0.59	7.80	1.02	3	10		1.2	6.7	50
5	0.77	7.58	1.04	0.63	7.79	1.03	1	7		1.3	7.0	
6	0.95	7.57	1.05	0.61	7.79	1.02	2	10		1.3	6.4	
7	0.79	7.57	1.05	0.52	7.79	1.02	2	8		1.1	5.4	
8	0.96	7.55	1.07	0.56	7.79	1.02	2	9		1.2	5.8	
9	0.95	7.56	1.07	0.67	7.79	1.02	2	9		1.4	7.0	
10	0.92	7.59	1.01	0.55	7.79	0.95	2	9		1.2	5.2	
11	0.92	7.59	1.01	0.57	7.79	0.90	2	9		1.2	5.2	
12	1.10	7.58	1.03	0.52	7.79	0.90	2	11		1.1	4.8	
13	0.73	7.59	1.01	0.74	7.79	0.91	1	8	50	1.5	6.8	50
14	0.80	7.59	1.03	0.46	7.79	0.90	2	8		1.0	4.2	
15	0.74	7.56	1.03	0.78	7.79	0.90	1	7		1.6	7.1	
16	0.94	7.56	1.11	0.52	7.79	0.90	2	9		1.1	4.8	
17	0.96	7.58	1.21	0.48	7.79	0.90	2	10		1.0	4.4	
18	0.94	7.56	1.16	0.55	7.79	0.90	3	9	50	1.2	5.1	
19	0.57	7.55	1.12	0.77	7.78	0.89	1	6		1.6	7.0	
20	0.73	7.57	1.16	0.60	7.78	0.89	2	7		1.2	5.6	
21	0.93	7.56	1.20	0.56	7.78	0.90	2	10		1.1	5.1	
22	0.71	7.53	1.11	0.61	7.78	0.89	1	7		1.3	5.6	
23	0.74	7.53	1.16	0.50	7.78	0.89	2	7		1.0	4.5	
24	0.99	7.59	1.04	0.54	7.78	0.96	2	11		1.1	4.9	
25	0.61	7.56	1.03	0.60	7.77	0.99	1	6		1.2	5.5	
26	0.96	7.55	1.04	0.55	7.77	0.98	2	9		1.1	5.0	50
27	0.49	7.57	1.00	0.67	7.76	0.98	1	5		1.4	6.2	
28	0.79	7.53	1.01	0.57	7.76	0.97	2	8		1.2	5.2	
29	0.80	7.53	0.98	0.51	7.76	0.96	2	7		1.0	4.7	
30	0.71	7.54	1.00	0.61	7.75	0.90	1	7		1.3	5.6	
31	0.64	7.54	0.98	0.61	7.75	0.84	2	6		1.2	5.6	50
Summary	25.33	7.57	0.98	18.67	7.78	0.84	54	253	200	39	179	250
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

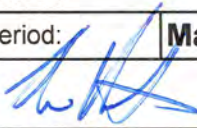
Chemicals Used (fluoride reported separately)				
	Chemical Name	Purpose	Chemical Strength	Total Units
Calc	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	93 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	431 gallons
NaF	Sodium fluoride	fluoridation		450 pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	26	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.70

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name: Greater Augusta Utility District		Community System	
PWSID#: 90080		List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME: Brian Tarbuck			
License #: 2026			
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year): March, 2020			
Signature: 		April 2, 2020	

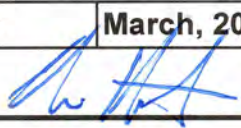
Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.00	0.59	0.00	0.59	0.00	0.74	0.74	1.33
2	0.48	0.20	0.00	0.69	0.00	0.88	0.88	1.57
3	0.96	0.00	0.00	0.96	0.00	0.59	0.59	1.55
4	0.96	0.00	0.00	0.96	0.00	0.59	0.59	1.56
5	0.77	0.00	0.00	0.77	0.00	0.63	0.63	1.40
6	0.95	0.00	0.00	0.95	0.00	0.61	0.61	1.56
7	0.78	0.00	0.00	0.79	0.00	0.52	0.52	1.31
8	0.96	0.00	0.00	0.96	0.00	0.56	0.56	1.51
9	0.95	0.00	0.00	0.95	0.00	0.67	0.67	1.62
10	0.07	0.28	0.57	0.92	0.00	0.55	0.55	1.48
11	0.01	0.01	0.90	0.92	0.00	0.57	0.57	1.49
12	0.00	0.00	1.10	1.10	0.00	0.52	0.52	1.62
13	0.00	0.00	0.73	0.73	0.00	0.74	0.74	1.47
14	0.00	0.00	0.79	0.80	0.00	0.46	0.46	1.26
15	0.00	0.00	0.74	0.74	0.00	0.78	0.78	1.53
16	0.29	0.50	0.15	0.94	0.00	0.52	0.52	1.46
17	0.01	0.92	0.03	0.96	0.00	0.48	0.48	1.44
18	0.01	0.92	0.01	0.94	0.00	0.55	0.55	1.49
19	0.00	0.57	0.01	0.57	0.00	0.77	0.77	1.34
20	0.00	0.73	0.00	0.73	0.00	0.60	0.60	1.33
21	0.00	0.92	0.00	0.93	0.00	0.56	0.56	1.48
22	0.20	0.50	0.01	0.71	0.00	0.61	0.61	1.32
23	0.06	0.68	0.00	0.74	0.00	0.50	0.50	1.23
24	0.97	0.01	0.01	0.99	0.00	0.54	0.54	1.53
25	0.61	0.00	0.00	0.61	0.00	0.60	0.60	1.21
26	0.96	0.00	0.00	0.96	0.00	0.55	0.55	1.51
27	0.49	0.00	0.00	0.49	0.00	0.67	0.67	1.16
28	0.78	0.00	0.00	0.79	0.00	0.57	0.57	1.36
29	0.58	0.00	0.22	0.80	0.00	0.51	0.51	1.31
30	0.27	0.00	0.44	0.71	0.00	0.61	0.61	1.32
31	0.00	0.00	0.64	0.64	0.00	0.61	0.61	1.25
Sum	12.10	6.83	6.40	25.33	0.01	18.67	18.67	44.01

Percent Triangle 58%
Percent Riverside 42%

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: Triangle Station			
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride			
PWSID#: 90080					
Reporting period:	March, 2020	Notes: See notes below for specific operating conditions.			
Signature: 	4/2/2020	Date	GAUD mg/L	Location	HETL mg/L
		3/11/2020 13:25	0.62	Quality Inn & Suites	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.59	19	0.72	0.57
2	0.69	22	0.71	0.56
3	0.96	25	0.71	0.46
4	0.96	30	0.71	0.56
5	0.77	24	0.70	0.56
6	0.95	29	0.71	0.55
7	0.79	24	0.70	0.55
8	0.96	26	0.69	0.50
9	0.95	30	0.68	0.56
10	0.92	32	0.64	0.62
11	0.92	31	0.67	0.61
12	1.10	37	0.72	0.60
13	0.73	22	0.78	0.53
14	0.80	25	0.76	0.56
15	0.74	22	0.76	0.54
16	0.94	30	0.76	0.57
17	0.96	30	0.76	0.56
18	0.94	27	0.71	0.52
19	0.57	17	0.70	0.55
20	0.73	24	0.71	0.59
21	0.93	30	0.69	0.59
22	0.71	24	0.68	0.60
23	0.74	23	0.66	0.57
24	0.99	32	0.65	0.58
25	0.61	20	0.65	0.58
26	0.96	32	0.64	0.59
27	0.49	17	0.65	0.60
28	0.79	25	0.65	0.56
29	0.80	26	0.63	0.58
30	0.71	23	0.61	0.58
31	0.64	21	0.64	0.60
Avg	0.82	25.69	0.69	0.57
Min	0.49	16.52	0.61	0.46
Max	1.10	36.52	0.78	0.62
Total	25.33	796.28		

Operating comments

Monthly Fluoride Report System Type - Fluoride Systems		System Information			
System Name:	Greater Augusta Utility District	Treatment plant: Riverside Station			
		Chemical Used: Sodium fluoride			
PWSID#: 90080					
Reporting period:	March, 2020	Notes: See notes below for specific operating conditions.			
Signature:	 4/2/2020	Date	GAUD mg/L	Location	HETL mg/L
		3/11/2020 8:45	0.66	12 Williams Street	0.6

Fluoride					Operating comments
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation	
units:	Mgals	gallons	mg/L	mg/L	
1	0.74	23	0.65	0.56	
2	0.88	25	0.65	0.51	
3	0.59	14	0.57	0.43	
4	0.59	12	0.52	0.36	
5	0.63	19	0.74	0.54	
6	0.61	20	0.65	0.59	
7	0.52	17	0.58	0.59	
8	0.56	18	0.55	0.58	
9	0.67	23	0.55	0.62	
10	0.55	22	0.62	0.72	
11	0.57	23	0.67	0.73	
12	0.52	21	0.64	0.73	
13	0.74	28	0.61	0.68	
14	0.46	20	0.67	0.78	
15	0.78	32	0.69	0.73	
16	0.52	22	0.72	0.76	
17	0.48	20	0.76	0.75	
18	0.55	23	0.75	0.75	
19	0.77	33	0.71	0.77	
20	0.60	21	0.53	0.63	
21	0.56	12	0.38	0.39	
22	0.61	0	0.18	0.00	
23	0.50	14	0.37	0.51	
24	0.54	21	0.57	0.70	
25	0.60	24	0.51	0.72	
26	0.55	19	0.61	0.62	
27	0.67	28	0.76	0.75	
28	0.57	23	0.75	0.72	
29	0.51	21	0.71	0.75	
30	0.61	25	0.67	0.73	
31	0.61	22	0.65	0.65	
Avg	0.60	20.81	0.61	0.62	
Min	0.46	0.00	0.18	0.00	
Max	0.88	33.00	0.76	0.78	
Total	18.67	645.00			

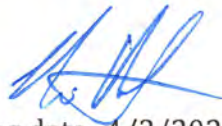
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: March, 2020

Reporting date: 4/2/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
3/1/2020	63,508	1.57	0.4	
3/2/2020	0	1.50	-	no consumption
3/3/2020	124,063	1.55	0.8	
3/4/2020	74,328	1.54	0.6	
3/5/2020	76,070	1.53	0.5	
3/6/2020	73,930	1.52	0.4	
3/7/2020	72,594	1.53	0.5	
3/8/2020	66,844	1.52	0.4	
3/9/2020	65,648	1.48	0.5	
3/10/2020	73,523	1.50	0.5	
3/11/2020	72,859	1.49	0.5	
3/12/2020	72,734	1.48	0.4	
3/13/2020	72,727	1.51	0.6	
3/14/2020	71,117	1.51	0.5	
3/15/2020	66,711	1.49	0.5	
3/16/2020	63,641	1.48	0.5	
3/17/2020	61,766	1.44	0.5	
3/18/2020	68,180	1.50	0.5	
3/19/2020	71,125	1.49	0.6	
3/20/2020	72,727	1.47	0.5	
3/21/2020	69,922	1.51	0.5	
3/22/2020	62,828	1.47	0.5	
3/23/2020	0	1.41	-	no consumption
3/24/2020	75,805	1.46	0.5	
3/25/2020	126,469	1.45	1.0	
3/26/2020	72,063	1.39	0.5	
3/27/2020	70,852	1.46	0.5	
3/28/2020	70,859	1.61	0.5	
3/29/2020	60,297	1.38	0.5	
3/30/2020	63,898	1.27	0.5	
3/31/2020	72,859	1.33	0.5	
Sum	2,129,945		15.6	
Average	68,708	1.5	0.5	
Max		1.6		

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May 8, 2020

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 the month of April, 2020.

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.

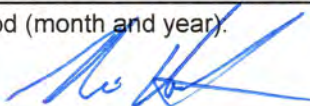
Brian Tarbuck, PE, System Class IV 2026

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	Brian Tarbuck		
and ME License #:	2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period:	April, 2020		
Signature:		5/8/2020	

	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	0.76	24.42	0.67	0.56	7.75	0.84	1	8	50	1.2	5.1	
2	0.61	19.31	0.68	0.86	7.75	0.85	2	6		1.7	7.9	
3	0.60	19.76	0.72	0.57	7.75	0.86	1	6		1.2	5.2	
4	0.76	25.06	0.72	0.46	7.75	0.83	1	7		1.0	4.3	
5	0.64	20.28	0.70	0.79	7.75	0.84	2	7		1.6	7.2	
6	0.65	21.73	0.68	0.64	7.74	0.82	1	6		1.3	5.9	50
7	0.93	27.09	0.64	0.48	7.74	0.87	2	10	50	1.0	4.8	
8	0.62	22.03	0.65	0.65	7.73	1.09	2	6		1.3	6.8	
9	0.89	20.81	0.66	0.66	7.73	1.16	1	7		1.3	6.9	
10	0.38	17.68	0.62	0.89	7.73	1.11	1	5		1.8	9.0	
11	0.71	26.50	0.74	0.56	7.73	1.17	1	7		1.2	5.9	
12	0.95	34.87	0.76	0.54	7.72	1.20	2	9		1.1	5.8	
13	0.98	38.82	0.68	0.43	7.72	1.05	2	9		0.9	4.6	
14	0.52	20.39	0.72	0.73	7.72	1.02	1	5		1.4	7.2	
15	0.98	39.61	0.74	0.35	7.72	1.02	3	10		0.8	3.3	50
16	0.65	25.10	0.67	0.60	7.71	1.30	1	6		1.2	5.6	
17	0.50	17.95	0.64	0.57	7.70	1.04	1	5	50	1.1	5.2	
18	1.03	41.04	0.65	0.44	7.69	0.96	2	10	50	0.9	4.1	
19	0.62	24.37	0.60	0.49	7.69	0.83	2	6		1.0	4.6	
20	0.99	39.17	0.59	0.63	7.69	0.85	2	10		1.3	5.8	
21	0.71	25.02	0.60	0.43	7.69	0.75	1	7		0.9	4.0	
22	0.73	29.52	0.73	0.75	7.68	0.78	2	7		1.5	6.9	
23	0.82	32.80	0.85	0.61	7.68	0.77	1	8		1.2	5.7	50
24	0.80	32.22	0.85	0.47	7.68	0.80	2	8		1.0	4.9	
25	0.77	29.14	0.83	0.72	7.68	1.03	1	8		1.5	7.5	
26	0.52	18.69	0.83	0.60	7.67	1.14	2	5		1.2	6.3	
27	0.64	23.67	0.73	0.58	7.67	1.05	1	6		1.2	6.1	
28	0.98	33.83	0.71	0.48	7.66	1.19	2	10	100	1.0	5.0	
29	0.47	17.41	0.76	0.86	7.66	1.03	1	5		1.7	9.0	
30	0.93	33.75	0.73	0.56	7.66	1.11	2	9		1.2	5.9	50
Summary	22.14	26.74	0.59	17.95	7.71	0.75	47	218	300	37	176	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	83 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	394 gallons
NaF	Sodium fluoride	fluoridation		500 pounds

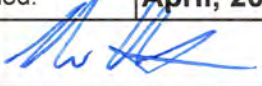
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.67

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):		April, 2020	
Signature 		May 8, 2020	

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	0.00	0.00	0.76	0.76	0.00	0.56	0.56	1.33
2	0.00	0.00	0.61	0.61	0.00	0.86	0.86	1.47
3	0.00	0.00	0.60	0.60	0.00	0.57	0.57	1.17
4	0.00	0.00	0.76	0.76	0.00	0.46	0.46	1.22
5	0.00	0.00	0.64	0.64	0.00	0.79	0.79	1.43
6	0.00	0.49	0.16	0.65	0.00	0.64	0.64	1.29
7	0.00	0.92	0.00	0.93	0.00	0.48	0.48	1.41
8	0.04	0.57	0.01	0.62	0.00	0.65	0.65	1.27
9	0.56	0.30	0.04	0.89	0.00	0.66	0.66	1.55
10	0.27	0.11	0.00	0.38	0.01	0.88	0.89	1.27
11	0.70	0.00	0.00	0.71	0.00	0.56	0.56	1.27
12	0.66	0.29	0.01	0.95	0.00	0.54	0.54	1.49
13	0.97	0.00	0.00	0.98	0.00	0.43	0.43	1.41
14	0.51	0.00	0.00	0.52	0.00	0.73	0.73	1.24
15	0.97	0.00	0.00	0.98	0.00	0.35	0.35	1.32
16	0.64	0.00	0.00	0.65	0.00	0.60	0.60	1.25
17	0.49	0.00	0.00	0.50	0.00	0.57	0.57	1.06
18	0.73	0.29	0.01	1.03	0.00	0.44	0.44	1.46
19	0.58	0.04	0.00	0.62	0.00	0.49	0.49	1.11
20	0.65	0.34	0.00	0.99	0.00	0.63	0.63	1.61
21	0.16	0.00	0.55	0.71	0.00	0.43	0.43	1.14
22	0.01	0.01	0.72	0.73	0.00	0.75	0.75	1.48
23	0.01	0.01	0.80	0.82	0.00	0.61	0.61	1.43
24	0.00	0.00	0.80	0.80	0.00	0.47	0.47	1.27
25	0.00	0.00	0.77	0.77	0.00	0.72	0.72	1.49
26	0.00	0.00	0.52	0.52	0.00	0.60	0.60	1.12
27	0.28	0.00	0.35	0.64	0.00	0.58	0.58	1.22
28	0.98	0.00	0.00	0.98	0.00	0.48	0.48	1.46
29	0.01	0.46	0.00	0.47	0.00	0.86	0.86	1.33
30	0.00	0.93	0.00	0.93	0.00	0.56	0.56	1.49
Sum	9.22	4.78	8.15	22.14	0.02	17.93	17.95	40.09

Percent Triangle 55%
Percent Riverside 45%

Avg flow 1.34

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: Triangle Station	
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride	
PWSID#: 90080			
Reporting period:	April, 2020	Notes: See notes below for specific operating conditions.	
Signature: 	5/8/2020	Date	GAUD mg/L
		4/15/2020 13:30	0.61
		Location	HETL mg/L
		Western Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.76	24	0.67	0.57
2	0.61	19	0.68	0.57
3	0.60	20	0.72	0.59
4	0.76	25	0.72	0.59
5	0.64	20	0.70	0.57
6	0.65	22	0.68	0.60
7	0.93	27	0.64	0.53
8	0.62	22	0.65	0.64
9	0.89	21	0.66	0.42
10	0.38	18	0.62	0.84
11	0.71	27	0.74	0.67
12	0.95	35	0.76	0.66
13	0.98	39	0.68	0.72
14	0.52	20	0.72	0.71
15	0.98	40	0.74	0.73
16	0.65	25	0.67	0.70
17	0.50	18	0.64	0.65
18	1.03	41	0.65	0.72
19	0.62	24	0.60	0.71
20	0.99	39	0.59	0.71
21	0.71	25	0.60	0.63
22	0.73	30	0.73	0.73
23	0.82	33	0.85	0.72
24	0.80	32	0.85	0.72
25	0.77	29	0.83	0.68
26	0.52	19	0.83	0.64
27	0.64	24	0.73	0.67
28	0.98	34	0.71	0.62
29	0.47	17	0.76	0.66
30	0.93	34	0.73	0.65
Avg	0.74	26.74	0.71	0.65
Min	0.38	17.41	0.59	0.42
Max	1.03	41.04	0.85	0.84
Total	22.14	802.08		

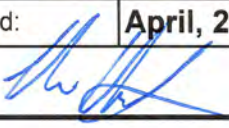
Operating comments

Monthly Fluoride Report **System Type - Fluoride Systems**

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **April, 2020**

Signature:  5/8/2020

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
4/15/2020 14:20	0.64	12 Williams Street	0.7

Fluoride

Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.56	23	0.70	0.73
2	0.86	36	0.71	0.75
3	0.57	24	0.71	0.76
4	0.46	19	0.69	0.75
5	0.79	32	0.64	0.73
6	0.64	24	0.69	0.68
7	0.48	20	0.83	0.75
8	0.65	26	0.76	0.72
9	0.66	26	0.70	0.71
10	0.89	36	0.67	0.73
11	0.56	23	0.66	0.74
12	0.54	22	0.64	0.73
13	0.43	18	0.62	0.75
14	0.73	29	0.61	0.72
15	0.35	12	0.62	0.62
16	0.60	25	0.66	0.74
17	0.57	23	0.71	0.73
18	0.44	18	0.73	0.74
19	0.49	21	0.71	0.77
20	0.63	26	0.68	0.75
21	0.43	18	0.72	0.76
22	0.75	31	0.78	0.74
23	0.61	20	0.71	0.59
24	0.47	19	0.83	0.73
25	0.72	28	0.77	0.70
26	0.60	23	0.71	0.69
27	0.58	22	0.68	0.68
28	0.48	19	0.69	0.71
29	0.86	34	0.68	0.71
30	0.56	20	0.69	0.65
Avg	0.60	23.90	0.70	0.72
Min	0.35	12.00	0.61	0.59
Max	0.89	36.00	0.83	0.77
Total	17.95	717.00		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: April, 2020

Reporting date: 5/8/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
4/1/2020	63,508	1.51	0.4	
4/2/2020	0	1.44	-	no consumption
4/3/2020	124,063	1.46	0.8	
4/4/2020	74,328	1.53	0.6	
4/5/2020	76,070	1.41	0.5	
4/6/2020	73,930	1.33	0.4	
4/7/2020	72,594	1.32	0.5	
4/8/2020	66,844	1.39	0.4	
4/9/2020	65,648	1.37	0.5	
4/10/2020	73,523	1.37	0.5	
4/11/2020	72,859	1.44	0.5	
4/12/2020	72,734	1.32	0.4	
4/13/2020	72,727	1.28	0.6	
4/14/2020	71,117	1.33	0.5	
4/15/2020	66,711	1.42	0.5	
4/16/2020	63,641	1.36	0.5	
4/17/2020	61,766	1.33	0.5	
4/18/2020	68,180	1.39	0.5	
4/19/2020	71,125	1.36	0.6	
4/20/2020	72,727	1.38	0.5	
4/21/2020	69,922	1.38	0.5	
4/22/2020	62,828	1.36	0.5	
4/23/2020	0	1.33	-	no consumption
4/24/2020	75,805	1.33	0.5	
4/25/2020	126,469	1.33	1.0	
4/26/2020	72,063	1.36	0.5	
4/27/2020	70,852	1.36	0.5	
4/28/2020	70,859	1.30	0.5	
4/29/2020	60,297	1.32	0.5	
4/30/2020	63,898	1.36	0.5	
Sum	2,057,086		15.0	
Average	68,570	1.4	0.5	
Max		1.5		

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Ken Knight, Board Chair
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Charlotte Warren, Hallowell voting member
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Cary Colwell, Hallowell ex-officio member
ccolwell@greateraugustautilitydistrict.org

June 1, 2020

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 the month of May, 2020.

You should find the following documents:

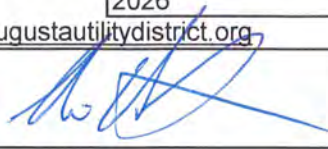
1. Operating report;
2. Water production report;
3. Triangle fluoridation report
4. Riverside fluoridation report; and
5. Togus disinfection report.

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.

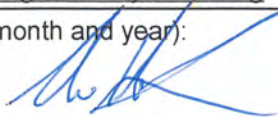
Brian Tarbuck, PE, System Class IV 2026

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:	May, 2020		
Signature:	 6/1/2020		

	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc	Hypo	NaF	Calc	Hypo
gal								gal	lbs	gal	gal	lbs
1	0.93	7.36	1.12	0.42	7.66	1.28	2	10		0.8	4.4	
2	0.51	7.28	1.09	0.70	7.66	1.16	1	5		1.5	7.4	
3	0.73	7.36	1.13	0.65	7.66	1.01	1	8		1.4	6.8	
4	0.85	7.26	1.06	0.57	7.66	1.03	2	8	50	1.1	6.0	
5	0.98	7.29	1.02	0.48	7.66	0.94	2	10		1.1	5.3	
6	0.71	7.03	1.00	0.87	7.67	0.98	2	7		1.7	9.3	
7	0.63	7.36	0.98	0.65	7.66	0.96	1	6		1.4	6.8	
8	0.97	7.68	1.05	0.51	7.66	0.95	2	9		1.1	5.4	50
9	0.65	7.76	1.05	0.56	7.66	0.96	2	7		1.2	5.9	
10	0.64	7.67	1.06	0.68	7.66	0.95	1	7		1.4	7.2	
11	0.69	7.71	1.07	0.65	7.66	0.95	2	7		1.4	6.8	
12	1.11	7.71	1.12	0.36	7.66	0.94	2	11		0.8	3.8	
13	0.75	7.62	1.07	0.70	7.65	0.95	1	8	50	1.4	7.4	
14	1.04	7.61	1.07	0.55	7.65	0.93	3	10		1.1	5.9	
15	0.59	7.69	1.04	0.76	7.65	0.94	1	6		1.6	7.9	
16	0.78	7.58	1.06	0.70	7.64	0.92	2	8		1.4	7.3	
17	0.98	7.50	1.04	0.55	7.64	0.91	2	10		1.1	5.8	
18	1.51	7.40	1.01	0.35	7.63	0.90	3	14	50	0.8	4.2	50
19	1.37	7.29	0.99	0.69	7.63	0.92	3	13		1.4	7.8	
20	1.97	7.32	0.99	0.52	7.63	1.01	3	19		1.1	5.8	
21	1.31	7.34	1.01	0.40	7.62	1.09	3	12	50	0.8	4.8	
22	1.38	7.32	1.00	0.88	7.62	1.13	3	14	50	1.8	9.8	50
23	1.42	7.32	1.08	0.81	7.62	1.11	3	14		1.6	9.0	
24	0.93	7.33	1.07	0.53	7.61	1.10	2	9		1.1	5.9	
25	0.95	7.33	1.06	0.54	7.60	1.10	2	9		1.1	6.0	
26	1.16	7.29	1.02	0.64	7.59	1.10	2	12		1.3	7.1	
27	1.33	7.33	0.99	0.55	7.65	1.00	3	12		1.2	6.2	
28	1.31	7.41	1.04	0.50	7.68	0.92	3	13		1.0	5.6	
29	1.39	7.42	1.14	0.52	7.67	1.01	3	14		1.0	5.7	
30	1.31	7.42	1.18	0.41	7.66	1.06	3	14		0.9	4.7	
31	0.98	7.39	1.18	0.62	7.66	1.08	2	10		1.3	6.8	
Summary	31.86	7.43	0.98	18.30	7.65	0.90	68	318	250	38	198	150
	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	106 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	516 gallons
NaF	Sodium fluoride	fluoridation		400 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:	0.70

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):		May, 2020	
Signature 		June 1, 2020	

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	0.00	0.93	0.00	0.93	0.00	0.42	0.42	1.35
2	0.00	0.50	0.00	0.51	0.00	0.70	0.70	1.21
3	0.00	0.73	0.00	0.73	0.00	0.65	0.65	1.38
4	0.59	0.26	0.00	0.85	0.00	0.57	0.57	1.42
5	0.97	0.00	0.00	0.98	0.00	0.48	0.48	1.45
6	0.71	0.00	0.00	0.71	0.00	0.87	0.87	1.58
7	0.62	0.00	0.00	0.63	0.00	0.65	0.65	1.28
8	0.97	0.00	0.00	0.97	0.00	0.51	0.51	1.48
9	0.64	0.00	0.00	0.65	0.00	0.56	0.56	1.20
10	0.63	0.00	0.01	0.64	0.00	0.68	0.68	1.32
11	0.26	0.00	0.44	0.69	0.00	0.65	0.65	1.35
12	0.00	0.00	1.11	1.11	0.00	0.36	0.36	1.47
13	0.00	0.00	0.74	0.75	0.00	0.70	0.70	1.45
14	0.00	0.00	1.04	1.04	0.00	0.55	0.55	1.60
15	0.00	0.00	0.59	0.59	0.00	0.76	0.76	1.36
16	0.00	0.00	0.78	0.78	0.00	0.70	0.70	1.47
17	0.00	0.15	0.83	0.98	0.00	0.55	0.55	1.53
18	0.37	0.51	0.62	1.51	0.00	0.35	0.35	1.86
19	0.38	0.91	0.09	1.37	0.00	0.69	0.69	2.06
20	0.88	0.83	0.27	1.97	0.00	0.52	0.52	2.49
21	0.24	0.91	0.15	1.31	0.00	0.40	0.40	1.70
22	0.40	0.54	0.44	1.38	0.00	0.88	0.88	2.26
23	0.37	0.86	0.19	1.42	0.00	0.81	0.81	2.23
24	0.25	0.68	0.00	0.93	0.00	0.53	0.53	1.47
25	0.22	0.72	0.00	0.95	0.00	0.54	0.54	1.49
26	0.61	0.16	0.38	1.16	0.00	0.64	0.64	1.80
27	0.96	0.06	0.31	1.33	0.00	0.55	0.55	1.88
28	0.84	0.00	0.46	1.31	0.00	0.50	0.50	1.80
29	0.96	0.00	0.43	1.39	0.00	0.52	0.52	1.91
30	0.96	0.00	0.35	1.31	0.00	0.41	0.41	1.72
31	0.98	0.00	0.00	0.98	0.00	0.62	0.62	1.60
Sum	13.83	8.77	9.26	31.86	0.00	18.30	18.30	50.16

Percent Triangle 64%

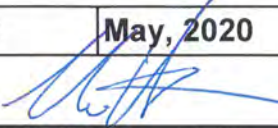
Avg flow 1.62

Percent Riverside 36%

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: Triangle Station			
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride			
PWSID#: 90080					
Reporting period:	May, 2020	Notes: See notes below for specific operating conditions.			
Signature:	6/1/2020	Date	GAUD mg/L	Location	HETL mg/L
		5/7/2020 11:25	0.68	Western Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.93	34	0.69	0.65
2	0.51	18	0.69	0.64
3	0.73	27	0.69	0.68
4	0.85	30	0.68	0.63
5	0.98	36	0.70	0.65
6	0.71	26	0.69	0.65
7	0.63	24	0.70	0.69
8	0.97	36	0.70	0.67
9	0.65	23	0.69	0.64
10	0.64	24	0.69	0.67
11	0.69	26	0.69	0.67
12	1.11	41	0.68	0.66
13	0.75	26	0.68	0.63
14	1.04	39	0.67	0.67
15	0.59	22	0.65	0.66
16	0.78	28	0.64	0.66
17	0.98	35	0.61	0.65
18	1.51	54	0.64	0.64
19	1.37	49	0.64	0.65
20	1.97	76	0.69	0.69
21	1.31	49	0.73	0.67
22	1.38	52	0.69	0.67
23	1.42	55	0.70	0.70
24	0.93	37	0.73	0.71
25	0.95	37	0.73	0.71
26	1.16	46	0.73	0.71
27	1.33	52	0.75	0.71
28	1.31	45	0.71	0.63
29	1.39	52	0.71	0.67
30	1.31	50	0.72	0.68
31	0.98	37	0.78	0.68
Avg	1.03	38.22	0.69	0.67
Min	0.51	18.10	0.61	0.63
Max	1.97	75.71	0.78	0.71
Total	31.86	1,184.82		

Operating comments

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>	
System Name:	Greater Augusta Utility District	Chemical Used: <u>Sodium fluoride</u>	
PWSID#: 90080			
Reporting period:	May, 2020	Notes: See notes below for specific operating conditions.	
Signature: 	6/1/2020	Date	GAUD mg/L
		5/7/2020 0:00	0.74
		Location	HETL mg/L
		12 Williams Street	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.42	16	0.74	0.69
2	0.70	27	0.76	0.69
3	0.65	26	0.74	0.72
4	0.57	22	0.72	0.70
5	0.48	19	0.72	0.72
6	0.87	34	0.71	0.71
7	0.65	25	0.67	0.69
8	0.51	18	0.67	0.64
9	0.56	22	0.69	0.71
10	0.68	27	0.66	0.71
11	0.65	26	0.68	0.72
12	0.36	14	0.64	0.70
13	0.70	28	0.66	0.72
14	0.55	23	0.72	0.75
15	0.76	30	0.71	0.71
16	0.70	28	0.66	0.72
17	0.55	22	0.60	0.72
18	0.35	11	0.56	0.57
19	0.69	29	0.67	0.76
20	0.52	21	0.75	0.73
21	0.40	16	0.75	0.73
22	0.88	33	0.71	0.67
23	0.81	33	0.76	0.73
24	0.53	22	0.77	0.74
25	0.54	23	0.75	0.77
26	0.64	27	0.72	0.76
27	0.55	22	0.72	0.73
28	0.50	21	0.71	0.76
29	0.52	20	0.74	0.69
30	0.41	17	0.74	0.74
31	0.62	25	0.73	0.72
Avg	0.59	23.45	0.70	0.71
Min	0.35	11.00	0.56	0.57
Max	0.88	34.00	0.77	0.77
Total	18.30	727.00		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: May, 2020

Reporting date: 6/1/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
5/1/2020	67,240	1.43	0.5	
5/2/2020	22,330	1.46	0.2	
5/3/2020	29,950	1.40	0.3	
5/4/2020	123,120	1.39	0.9	
5/5/2020	62,310	1.40	0.5	
5/6/2020	64,040	1.44	0.5	
5/7/2020	64,830	1.48	0.5	
5/8/2020	67,240	1.47	0.5	
5/9/2020	0	1.43	-	no consumption
5/10/2020	62,840	1.38	0.5	
5/11/2020	65,910	1.36	0.5	
5/12/2020	63,100	1.38	0.5	
5/13/2020	66,980	1.38	0.5	
5/14/2020	71,130	1.42	0.5	
5/15/2020	68,570	1.43	0.6	
5/16/2020	62,710	1.43	0.4	
5/17/2020	0	1.43	-	no consumption
5/18/2020	61,220	1.38	0.5	
5/19/2020	92,520	1.33	0.7	
5/20/2020	73,530	1.30	0.6	
5/21/2020	69,650	1.31	0.5	
5/22/2020	134,490	1.29	1.0	
5/23/2020	66,580	1.29	0.5	
5/24/2020	0	1.31	-	no consumption
5/25/2020	68,050	1.30	0.6	
5/26/2020	72,860	1.32	0.5	
5/27/2020	138,240	1.40	1.1	
5/28/2020	146,390	1.39	1.1	
5/29/2020	153,070	1.36	1.2	
5/30/2020	73,400	1.15	0.5	
5/31/2020	140,640	0.91	-	hypochlorite pump failure
Sum	2,112,300		16.2	
Average	70,410	1.4	0.5	
Max		1.5		

Brian Tarbuck, General Manager
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Keith Luke, Augusta ex-officio member
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Cary Colwell, Hallowell ex-officio member
ccolwell@greateraugustautilitydistrict.org

July 2, 2020

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

Dear Denise:

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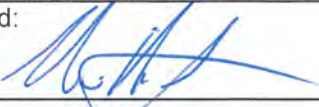
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Brian Tarbuck, PE, System Class IV 2026

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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:	June, 2020		
Signature:	 7/2/2020		

	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc	Hypo	NaF	Calc	Hypo
gal								gal	lbs	gal	gal	lbs
1	1.22	7.55	1.16	0.46	7.65	1.08	3	13		0.9	5.1	
2	1.35	7.86	1.06	0.43	7.65	1.07	3	14		0.9	4.8	
3	1.03	7.57	0.97	0.65	7.64	1.08	2	10		1.4	7.1	50
4	1.15	7.54	0.96	0.44	7.63	1.06	3	12		0.9	4.9	
5	1.40	7.55	0.95	0.57	7.63	1.07	3	14		1.2	6.4	
6	1.18	7.46	0.93	0.55	7.62	1.05	3	11		1.2	6.0	
7	0.88	7.42	0.90	0.52	7.61	1.06	2	9		1.1	5.7	
8	1.38	7.42	0.93	0.48	7.60	1.05	3	14		1.1	5.4	
9	1.29	7.42	0.98	0.34	7.59	1.02	2	12	50	0.8	3.9	
10	1.12	7.38	0.98	0.63	7.59	1.04	3	11		1.4	6.9	
11	1.13	7.37	1.00	0.33	7.58	1.03	3	11		0.7	3.8	50
12	2.09	7.41	0.97	0.00	7.56	0.91	4	21	50	0.1	0.7	
13	1.47	7.33	1.02	0.00	7.55	0.82	4	16		-	0.7	
14	1.78	7.35	0.98	0.00	7.53	0.76	4	18		0.1	1.1	
15	1.76	7.24	1.01	0.36	7.54	0.91	3	17	100	0.8	4.4	
16	1.63	7.13	1.05	0.20	7.54	0.98	4	17	50	0.5	2.7	
17	2.00	7.22	1.12	0.38	7.54	0.95	5	20		0.9	4.6	
18	1.50	7.15	1.18	0.66	7.54	0.99	4	16		1.4	7.1	
19	1.62	7.12	1.15	0.48	7.53	0.89	4	17		1.1	5.3	
20	1.54	7.10	1.13	0.51	7.53	0.97	4	16		1.2	5.6	
21	1.79	7.11	1.11	0.31	7.52	0.95	5	19		0.7	3.6	
22	1.66	7.23	1.09	0.49	7.52	0.97	4	17		1.2	5.3	
23	1.60	7.46	1.12	0.49	7.52	0.93	5	17		1.1	5.3	
24	1.85	7.49	1.21	0.00	7.49	0.86	4	20	100	0.1	0.4	50
25	2.09	7.51	1.20	0.05	7.47	0.76	6	23		0.1	1.0	
26	1.94	7.54	1.19	0.44	7.49	0.91	4	21	50	1.0	4.8	
27	1.52	7.56	1.20	0.34	7.48	0.90	4	17		0.8	3.6	
28	1.53	7.63	1.17	0.30	7.47	0.87	4	16		0.7	3.2	
29	1.43	7.69	1.15	0.35	7.47	0.87	4	15		0.8	3.7	
30	1.34	7.75	0.77	0.35	7.48	0.89	3	14		0.9	3.8	
Summary	45.26	7.42	0.77	11.13	7.55	0.76	110	472	400	25	126	150
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

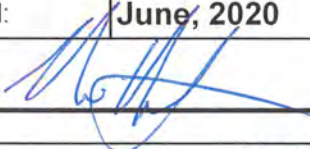
Chemicals Used (fluoride reported separately)				
	Chemical Name	Purpose	Chemical Strength	Total Units
Calc	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	135 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	598 gallons
NaF	Sodium fluoride	fluoridation		550 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:	0.73

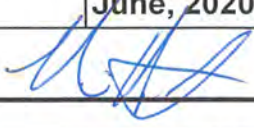
Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):		June, 2020	
Signature 		July 2, 2020	

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	0.27	0.28	0.68	1.22	0.00	0.46	0.46	1.68
2	0.00	0.35	1.00	1.35	0.00	0.43	0.43	1.78
3	0.00	0.31	0.72	1.03	0.00	0.65	0.65	1.69
4	0.00	0.28	0.87	1.15	0.00	0.44	0.44	1.60
5	0.00	0.30	1.10	1.40	0.00	0.57	0.57	1.97
6	0.00	0.20	0.98	1.18	0.00	0.55	0.55	1.73
7	0.00	0.00	0.87	0.88	0.00	0.52	0.52	1.39
8	0.29	0.64	0.45	1.38	0.00	0.48	0.49	1.87
9	0.27	0.91	0.11	1.29	0.00	0.34	0.34	1.63
10	0.10	0.92	0.10	1.12	0.00	0.63	0.64	1.76
11	0.04	0.92	0.17	1.13	0.00	0.33	0.34	1.47
12	0.42	0.82	0.86	2.09	0.00	0.00	0.00	2.09
13	0.00	0.89	0.57	1.47	0.00	0.00	0.00	1.47
14	0.05	0.88	0.85	1.78	0.00	0.00	0.00	1.78
15	0.77	0.26	0.73	1.76	0.00	0.36	0.36	2.12
16	0.95	0.00	0.68	1.63	0.00	0.20	0.19	1.82
17	0.93	0.00	1.07	2.00	0.00	0.38	0.39	2.38
18	0.95	0.16	0.39	1.50	0.00	0.66	0.66	2.16
19	0.95	0.05	0.63	1.62	0.00	0.48	0.49	2.11
20	0.95	0.00	0.59	1.54	0.00	0.51	0.52	2.05
21	0.93	0.00	0.85	1.79	0.00	0.31	0.32	2.10
22	0.94	0.00	0.72	1.66	0.00	0.49	0.50	2.16
23	0.23	0.66	0.71	1.60	0.00	0.49	0.49	2.09
24	0.21	0.85	0.78	1.85	0.00	0.00	0.00	1.85
25	0.50	0.72	0.87	2.09	0.00	0.05	0.05	2.14
26	0.38	0.85	0.71	1.94	0.00	0.44	0.44	2.38
27	0.66	0.25	0.60	1.52	0.00	0.34	0.34	1.86
28	0.94	0.00	0.59	1.53	0.00	0.30	0.30	1.83
29	0.94	0.01	0.47	1.43	0.00	0.35	0.36	1.78
30	0.63	0.00	0.71	1.34	0.00	0.35	0.36	1.70
Sum	13.30	11.53	20.44	45.26	0.01	11.12	11.19	56.45

Percent Triangle 80% Avg flow 1.88
Percent Riverside 20%

Monthly Fluoride Report System Type - Fluoride Systems		System Information			
System Name:	Greater Augusta Utility District	Treatment plant:		Triangle Station	
		Chemical Used:		Sodium fluoride	
PWSID#: 90080					
Reporting period: June, 2020		Notes: See notes below for specific operating conditions.			
Signature:  7/2/2020		Date	GAUD mg/L	Location	HETL mg/L
		6/9/2020 11:55	0.67	Western Station	0.7

Fluoride					Operating comments
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation	
units:	Mgals	gallons	mg/L	mg/L	
1	1.22	42	0.79	0.61	
2	1.35	49	0.75	0.65	
3	1.03	37	0.72	0.64	
4	1.15	42	0.69	0.65	
5	1.40	49	0.66	0.62	
6	1.18	41	0.63	0.62	
7	0.88	30	0.65	0.62	
8	1.38	48	0.65	0.62	
9	1.29	43	0.69	0.60	
10	1.12	38	0.76	0.61	
11	1.13	38	0.66	0.61	
12	2.09	73	0.67	0.62	
13	1.47	50	0.70	0.61	
14	1.78	60	0.64	0.61	
15	1.76	56	0.74	0.57	
16	1.63	54	0.77	0.60	
17	2.00	70	0.76	0.63	
18	1.50	52	0.72	0.63	
19	1.62	58	0.70	0.64	
20	1.54	54	0.72	0.63	
21	1.79	63	0.71	0.63	
22	1.66	57	0.69	0.62	
23	1.60	56	0.66	0.64	
24	1.85	59	0.77	0.58	
25	2.09	74	0.81	0.63	
26	1.94	65	0.71	0.60	
27	1.52	54	0.67	0.65	
28	1.53	54	0.65	0.63	
29	1.43	50	0.66	0.63	
30	1.34	47	0.71	0.63	
Avg	1.51	52.01	0.70	0.62	
Min	0.88	30.01	0.63	0.57	
Max	2.09	73.68	0.81	0.65	
Total	45.26	1,560.17			

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>	
System Name:	Greater Augusta Utility District	Chemical Used: <u>Sodium fluoride</u>	
PWSID#: 90080			
Reporting period:	June, 2020	Notes: See notes below for specific operating conditions.	
Signature: 	7/2/2020	Date	GAUD mg/L
		6/9/2020 13:15	0.62
		Location	HETL mg/L
		12 Williams Street	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units: Mgals		gallons	mg/L	mg/L
1	0.46	18	0.70	0.71
2	0.43	17	0.67	0.71
3	0.65	24	0.72	0.66
4	0.44	18	0.76	0.74
5	0.57	24	0.69	0.76
6	0.55	22	0.68	0.72
7	0.52	21	0.66	0.73
8	0.48	19	0.64	0.71
9	0.34	14	0.62	0.74
10	0.63	25	0.64	0.71
11	0.33	10	0.63	0.54
12	0.00	0	0.66	
13	0.00	0	0.65	
14	0.00	0	0.64	
15	0.36	15	0.68	0.75
16	0.20	8	0.70	0.73
17	0.38	16	0.71	0.75
18	0.66	18	0.56	0.49
19	0.48	19	0.45	0.71
20	0.51	4	0.41	0.14
21	0.31	0	0.12	0.00
22	0.49	15	0.38	0.55
23	0.49	17	0.74	0.62
24	0.00	0	0.67	
25	0.05	0	0.59	0.00
26	0.44	15	0.64	0.61
27	0.34	12	0.63	0.64
28	0.30	10	0.63	0.61
29	0.35	13	0.71	0.66
30	0.35	12	0.77	0.61
Avg	0.37	12.87	0.62	0.60
Min	0.00	0.00	0.12	0.00
Max	0.66	25.00	0.77	0.76
Total	11.13	386.00		

Operating comments

Station offline for well recovery

Station offline for well recovery

Station offline for well recovery

Station offline for well recovery

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: June, 2020

Reporting date: 7/2/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
6/1/2020	174,470	1.41	0.60	
6/2/2020	82,880	1.72	0.50	
6/3/2020	135,830	1.60	0.70	
6/4/2020	149,070	1.55	0.80	
6/5/2020	74,460	1.55	0.40	
6/6/2020	135,160	1.53	0.70	
6/7/2020	68,990	1.54	0.40	
6/8/2020	147,190	1.53	0.80	
6/9/2020	138,100	1.57	0.80	
6/10/2020	75,540	1.55	0.40	
6/11/2020	139,030	1.49	0.80	
6/12/2020	145,990	1.38	0.80	
6/13/2020	68,980	1.41	0.30	
6/14/2020	133,290	1.44	0.80	
6/15/2020	150,140	1.45	0.80	
6/16/2020	139,840	1.48	0.80	
6/17/2020	84,620	1.41	0.40	
6/18/2020	193,450	1.39	1.10	
6/19/2020	173,930	1.32	0.90	
6/20/2020	72,590	1.28	0.30	
6/21/2020	144,250	1.29	0.80	
6/22/2020	164,450	1.30	0.90	
6/23/2020	158,950	1.33	0.90	
6/24/2020	162,170	1.35	0.90	
6/25/2020	166,310	1.38	0.90	
6/26/2020	162,570	1.40	0.90	
6/27/2020	145,580	1.38	0.70	
6/28/2020	80,620	1.36	0.50	
6/29/2020	137,830	1.33	0.70	
6/30/2020	138,370	1.37	0.80	
Sum	3,944,650		21.10	
Average	131,488	1.44	0.70	
Max		1.72		

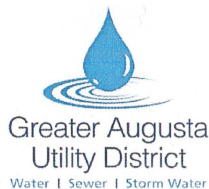
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btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

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ccolwell@greateraugustautilitydistrict.org

August 7, 2020

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 the month of July, 2020.

You should find the following documents:

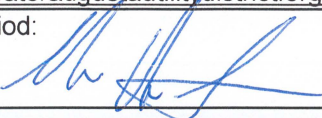
1. Operating report;
2. Water production report;
3. Triangle fluoridation report
4. Riverside fluoridation report; and
5. Togus disinfection report.

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.

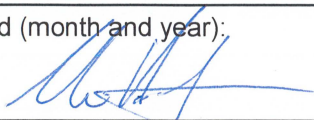
Brian Tarbuck, PE, System Class IV 2026

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@greteraugustautilitydistrict.org		
Reporting period:	July, 2020		
Signature:	 8/7/2020		

	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc	Hypo	NaF	Calc	Hypo
gal								gal	lbs	gal	gal	lbs
1	1.24	7.77	1.14	0.29	7.50	0.90	4	14		0.7	3.1	
2	1.35	7.82	1.13	0.50	7.51	0.96	3	14	50	1.1	5.3	
3	1.01	7.80	1.10	0.50	7.52	0.95	3	10		1.2	5.3	
4	1.15	7.79	1.09	0.27	7.52	0.97	3	12		0.6	3.0	
5	1.23	7.78	1.10	0.36	7.52	0.95	4	13		0.8	3.9	
6	1.29	7.78	1.08	0.36	7.52	0.96	3	13		0.8	3.9	
7	1.39	7.74	1.09	0.50	7.52	0.95	4	14		1.2	5.4	
8	1.46	7.70	1.12	0.35	7.52	0.92	3	16		0.8	3.8	
9	1.40	7.69	1.12	0.43	7.52	0.93	4	14		1.0	4.7	
10	1.03	7.66	1.17	0.53	7.52	0.93	3	11		1.2	5.6	
11	1.15	7.65	1.20	0.67	7.53	0.91	3	12		1.5	7.1	
12	1.08	7.65	1.19	0.48	7.52	0.88	3	11		1.1	5.0	
13	1.31	7.64	1.19	0.71	7.53	0.90	3	14		1.6	7.4	50
14	1.21	7.65	1.18	0.40	7.53	0.89	3	13		1.0	4.3	
15	1.26	7.67	1.17	0.63	7.53	0.89	3	13		1.4	6.5	
16	1.36	7.69	1.17	0.35	7.53	0.89	4	14	50	0.8	3.8	
17	1.26	7.70	1.18	0.55	7.54	0.90	3	14		1.3	5.8	
18	1.32	7.73	1.18	0.34	7.53	0.89	4	13		0.8	3.7	
19	1.21	7.70	1.19	0.50	7.54	0.87	3	13		1.2	5.3	
20	1.50	7.67	1.12	0.33	7.55	0.85	4	15	100	0.7	3.6	
21	1.98	7.63	1.11	0.38	7.55	1.52	5	21		0.9	3.8	
22	1.32	7.59	1.10	0.52	7.58	0.84	3	14		1.3	5.3	
23	1.29	7.57	1.10	0.44	7.61	0.82	3	13		1.0	4.6	
24	1.40	7.54	1.10	0.33	7.64	0.82	4	15	50	0.8	3.5	50
25	1.38	7.52	1.09	0.45	7.66	0.82	4	15		1.0	4.6	
26	1.25	7.51	1.09	0.47	7.67	0.80	3	13		1.1	4.9	
27	1.46	7.49	1.10	0.23	7.69	0.78	4	15		0.6	2.5	
28	1.73	7.49	1.12	0.22	7.70	0.78	4	19	100	0.5	2.4	
29	1.75	7.51	1.12	0.25	7.72	0.83	5	19		0.6	2.7	
30	1.46	7.54	1.09	0.30	7.73	0.84	3	16		0.7	3.3	
31	1.42	7.58	1.04	0.47	7.74	0.86	4	15		1.1	5.1	
Summary	41.64	7.65	1.04	13.14	7.57	0.78	108	441	350	30	139	100
	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	139 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	580 gallons
NaF	Sodium fluoride	fluoridation		450 pounds

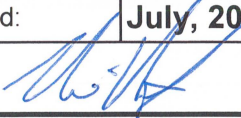
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	21	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.75

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):		July, 2020	
Signature 		August 7, 2020	

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	0.94	0.00	0.30	1.24	0.00	0.29	0.29	1.53
2	0.93	0.00	0.42	1.35	0.00	0.50	0.50	1.86
3	0.85	0.00	0.16	1.01	0.00	0.50	0.50	1.52
4	0.94	0.00	0.21	1.15	0.00	0.27	0.27	1.42
5	0.93	0.00	0.30	1.23	0.00	0.36	0.36	1.60
6	0.93	0.00	0.35	1.29	0.00	0.36	0.36	1.65
7	0.30	0.62	0.47	1.39	0.00	0.50	0.50	1.89
8	0.00	0.90	0.57	1.46	0.00	0.35	0.35	1.81
9	0.00	0.90	0.50	1.40	0.00	0.43	0.43	1.84
10	0.00	0.93	0.10	1.03	0.00	0.53	0.53	1.56
11	0.23	0.92	0.00	1.15	0.00	0.67	0.67	1.82
12	0.15	0.92	0.00	1.08	0.00	0.48	0.48	1.56
13	0.39	0.91	0.00	1.31	0.00	0.71	0.71	2.02
14	0.15	0.91	0.15	1.21	0.00	0.40	0.40	1.61
15	0.00	0.91	0.35	1.26	0.00	0.63	0.63	1.88
16	0.00	0.90	0.46	1.36	0.00	0.35	0.35	1.71
17	0.00	0.91	0.35	1.26	0.00	0.55	0.55	1.81
18	0.00	0.90	0.42	1.32	0.00	0.34	0.34	1.66
19	0.00	0.91	0.30	1.21	0.00	0.50	0.50	1.71
20	0.26	0.40	0.84	1.50	0.00	0.33	0.33	1.84
21	0.69	0.22	1.07	1.98	0.00	0.38	0.38	2.36
22	0.21	0.00	1.11	1.32	0.00	0.52	0.52	1.84
23	0.19	0.00	1.11	1.29	0.00	0.44	0.44	1.74
24	0.29	0.00	1.10	1.40	0.00	0.33	0.33	1.73
25	0.27	0.00	1.10	1.38	0.00	0.45	0.45	1.83
26	0.14	0.00	1.11	1.25	0.00	0.47	0.47	1.72
27	0.22	0.14	1.10	1.46	0.00	0.23	0.23	1.69
28	0.49	0.16	1.08	1.73	0.00	0.22	0.22	1.95
29	0.65	0.02	1.09	1.75	0.00	0.25	0.25	2.00
30	0.36	0.00	1.10	1.46	0.00	0.30	0.30	1.76
31	0.64	0.40	0.38	1.42	0.00	0.47	0.47	1.89
Sum	11.18	12.87	17.59	41.64	0.00	13.13	13.14	54.78

Percent Triangle 76%
Percent Riverside 24%

Avg flow 1.77

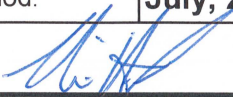
Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: Triangle Station			
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride			
PWSID#: 90080		Notes: See notes below for specific operating conditions.			
Reporting period: July, 2020					
Signature: 		Date	GAUD mg/L	Location	HETL mg/L
8/7/2020		7/16/2020 13:55	0.60	Western Station	0.5

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.24	43	0.78	0.63
2	1.35	46	0.73	0.61
3	1.01	35	0.67	0.63
4	1.15	41	0.68	0.65
5	1.23	44	0.67	0.64
6	1.29	14	0.26	0.19
7	1.39	0	0.07	0.00
8	1.46	0	0.06	0.00
9	1.40	0	0.06	0.00
10	1.03	0	0.06	0.00
11	1.15	0	0.06	0.00
12	1.08	0	0.06	0.00
13	1.31	0	0.06	0.00
14	1.21	21	0.42	0.32
15	1.26	42	0.68	0.60
16	1.36	42	0.69	0.56
17	1.26	42	0.79	0.61
18	1.32	45	0.75	0.61
19	1.21	40	0.72	0.60
20	1.50	47	0.71	0.56
21	1.98	67	0.67	0.61
22	1.32	45	0.62	0.62
23	1.29	43	0.68	0.60
24	1.40	45	0.78	0.58
25	1.38	47	0.78	0.62
26	1.25	42	0.77	0.60
27	1.46	50	0.75	0.62
28	1.73	50	0.68	0.52
29	1.75	59	0.77	0.61
30	1.46	50	0.77	0.62
31	1.42	48	0.79	0.61
Avg	1.34	33.93	0.55	0.45
Min	1.01	0.00	0.06	0.00
Max	1.98	67.38	0.79	0.65
Total	41.64	1,051.70		

Operating comments

F- pump failure; replacement parts ordered

F- pump repaired and returned to service

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: Riverside Station			
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride			
PWSID#: 90080					
Reporting period:	July, 2020	Notes: See notes below for specific operating conditions.			
Signature: 	8/7/2020	Date	GAUD mg/L	Location	HETL mg/L
		7/16/2020 13:15	0.57	12 Williams Street	0.5

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.29	10	0.77	0.63
2	0.50	18	0.70	0.65
3	0.50	18	0.67	0.64
4	0.27	9	0.67	0.59
5	0.36	14	0.67	0.69
6	0.36	12	0.67	0.59
7	0.50	18	0.68	0.65
8	0.35	13	0.66	0.68
9	0.43	15	0.64	0.62
10	0.53	18	0.71	0.61
11	0.67	24	0.71	0.64
12	0.48	15	0.62	0.56
13	0.71	22	0.63	0.56
14	0.40	14	0.72	0.63
15	0.63	21	0.71	0.60
16	0.35	13	0.68	0.67
17	0.55	19	0.68	0.63
18	0.34	11	0.66	0.59
19	0.50	18	0.63	0.64
20	0.33	11	0.60	0.60
21	0.38	14	0.76	0.67
22	0.52	18	0.74	0.62
23	0.44	15	0.67	0.61
24	0.33	10	0.69	0.54
25	0.45	15	0.71	0.60
26	0.47	17	0.71	0.65
27	0.23	8	0.74	0.63
28	0.22	8	0.76	0.66
29	0.25	9	0.82	0.65
30	0.30	10	0.75	0.61
31	0.47	17	0.71	0.65
Avg	0.42	14.65	0.70	0.62
Min	0.22	8.00	0.60	0.54
Max	0.71	24.00	0.82	0.69
Total	13.14	454.00		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: July, 2020

Reporting date: 8/7/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
7/1/2020	136,760	1.37	0.70	
7/2/2020	151,070	1.32	0.90	
7/3/2020	139,980	1.30	0.70	
7/4/2020	68,440	1.33	0.40	
7/5/2020	137,840	1.35	0.70	
7/6/2020	150,670	1.37	0.90	
7/7/2020	139,440	1.28	0.70	
7/8/2020	74,060	1.34	0.40	
7/9/2020	148,930	1.36	0.70	
7/10/2020	148,400	1.38	0.80	
7/11/2020	89,310	1.34	0.50	
7/12/2020	122,850	1.41	0.70	
7/13/2020	152,950	1.31	0.80	
7/14/2020	144,910	1.28	0.80	
7/15/2020	113,780	1.31	0.70	
7/16/2020	117,370	1.38	0.60	
7/17/2020	127,550	1.34	0.70	
7/18/2020	133,550	1.29	0.80	
7/19/2020	70,590	1.26	0.40	
7/20/2020	140,370	1.28	0.80	
7/21/2020	134,360	1.28	0.80	
7/22/2020	141,980	1.31	0.80	
7/23/2020	140,910	1.31	0.80	
7/24/2020	102,540	1.29	0.60	
7/25/2020	109,630	1.27	0.70	
7/26/2020	101,470	1.22	0.60	
7/27/2020	117,510	1.24	0.70	
7/28/2020	182,490	1.19	1.10	
7/29/2020	175,260	1.23	1.00	
7/30/2020	137,170	1.31	1.00	
7/31/2020	142,510	1.33	1.00	
Sum	3,994,650		22.80	
Average	128,860	1.31	0.74	
Max		1.41		

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btarbuck@greateraugustautilitydistrict.org

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kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
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September 4, 2020

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 the month of August, 2020.

You should find the following documents:

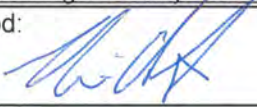
1. Operating report;
2. Water production report;
3. Triangle fluoridation report
4. Riverside fluoridation report; and
5. Togus disinfection report.

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.

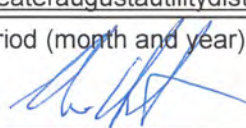
Brian Tarbuck, PE, System Class IV 2026

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:	August, 2020		
Signature:		9/4/2020	

	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	1.42	7.62	1.01	0.35	7.74	0.82	4	15		0.8	3.7	
2	1.30	7.64	0.99	0.48	7.74	0.83	4	14		1.1	5.0	
3	1.36	7.66	1.06	0.51	7.75	0.84	3	14		1.2	5.4	
4	1.45	7.67	1.18	0.53	7.76	0.83	4	16		1.2	5.6	
5	0.97	7.71	1.13	0.48	7.76	0.82	3	11		1.1	5.1	
6	1.41	7.72	1.12	0.28	7.76	0.80	4	15	100	0.6	3.2	50
7	1.30	7.75	1.10	0.66	7.77	0.81	3	13		1.5	6.9	
8	1.46	7.76	1.10	0.45	7.77	0.80	3	15		1.1	4.8	
9	1.15	7.78	1.07	0.88	7.78	0.82	3	12		1.9	9.1	
10	1.28	7.78	1.10	0.58	7.78	0.78	4	14		1.4	6.1	
11	1.52	7.79	1.10	0.41	7.77	0.81	4	16		0.9	4.5	
12	1.79	7.79	0.90	0.42	7.78	0.88	4	19		1.0	5.0	300
13	1.60	7.80	1.09	0.49	7.77	0.74	4	17		1.1	4.8	
14	1.52	7.81	1.10	0.45	7.78	0.77	4	17		1.0	4.9	
15	1.48	7.82	1.10	0.40	7.78	0.83	4	16		0.9	4.6	
16	1.31	7.84	1.10	0.44	7.78	0.83	3	14		1.0	4.9	
17	1.44	7.85	1.05	0.63	7.78	0.83	4	16		1.4	7.0	
18	1.44	7.85	0.97	0.41	7.78	0.82	3	15		1.0	4.9	50
19	1.53	7.86	0.74	0.35	7.77	0.67	4	16		0.8	4.1	
20	1.48	7.87	0.71	0.47	7.77	0.49	4	16	550	1.1	5.5	
21	1.32	7.88	0.84	0.38	7.79	0.83	4	15		0.8	4.9	
22	1.37	7.88	1.02	0.46	7.79	0.89	3	18		1.1	6.0	
23	1.12	7.88	1.02	0.57	7.79	0.90	3	15		1.3	7.4	
24	1.46	7.88	1.23	0.55	7.78	0.92	4	18		1.2	7.3	
25	1.31	7.89	1.08	0.30	6.89	0.82	3	17		0.6	3.8	
26	1.13	7.90	1.12	0.43	7.77	0.91	3	15		1.0	5.6	50
27	1.34	7.92	1.23	0.45	7.78	0.91	4	17		1.0	6.0	
28	1.52	7.93	1.31	0.38	7.78	0.89	3	19		0.9	5.1	
29	1.17	7.94	1.35	0.27	7.77	0.87	4	15		0.6	3.5	
30	1.16	7.94	1.33	0.43	7.77	0.89	3	15		0.9	5.7	
31	1.35	7.95	1.30	0.50	7.78	0.90	3	16	100	1.2	6.5	
Summary	42.46	7.82	0.71	14.37	7.74	0.49	111	484	750	33	166	450
	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	144 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	650 gallons
NaF	Sodium fluoride	fluoridation		1,200 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:	0.63

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):		August, 2020	
Signature 		September 4, 2020	

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	0.96	0.00	0.46	1.42	0.00	0.35	0.35	1.77
2	0.96	0.00	0.33	1.30	0.00	0.47	0.48	1.78
3	0.96	0.00	0.40	1.36	0.00	0.51	0.51	1.87
4	0.95	0.00	0.50	1.45	0.00	0.53	0.53	1.98
5	0.97	0.00	0.00	0.97	0.00	0.48	0.48	1.45
6	0.94	0.21	0.26	1.41	0.00	0.28	0.28	1.69
7	0.95	0.00	0.35	1.30	0.00	0.66	0.66	1.96
8	0.94	0.00	0.52	1.46	0.00	0.45	0.45	1.91
9	0.95	0.00	0.20	1.15	0.00	0.88	0.88	2.03
10	0.95	0.00	0.33	1.28	0.00	0.58	0.58	1.86
11	0.93	0.22	0.37	1.52	0.00	0.41	0.41	1.93
12	0.33	0.81	0.65	1.79	0.00	0.42	0.42	2.20
13	0.00	0.72	0.89	1.60	0.00	0.49	0.49	2.09
14	0.00	0.63	0.89	1.52	0.00	0.45	0.45	1.96
15	0.00	0.59	0.89	1.48	0.00	0.40	0.40	1.88
16	0.00	0.40	0.91	1.31	0.00	0.43	0.44	1.75
17	0.40	0.69	0.34	1.44	0.00	0.63	0.63	2.07
18	0.33	1.12	0.00	1.44	0.00	0.41	0.41	1.85
19	0.41	1.12	0.00	1.53	0.00	0.35	0.35	1.88
20	0.37	1.11	0.00	1.48	0.00	0.47	0.47	1.95
21	0.23	1.09	0.00	1.32	0.00	0.38	0.38	1.71
22	0.26	1.11	0.00	1.37	0.00	0.46	0.46	1.83
23	0.00	1.12	0.00	1.12	0.00	0.57	0.57	1.68
24	0.65	0.36	0.45	1.46	0.00	0.55	0.55	2.00
25	0.96	0.01	0.34	1.31	0.00	0.30	0.30	1.61
26	0.96	0.00	0.17	1.13	0.00	0.43	0.43	1.56
27	0.95	0.00	0.38	1.34	0.00	0.45	0.45	1.79
28	0.94	0.00	0.58	1.52	0.00	0.38	0.38	1.90
29	0.95	0.00	0.21	1.17	0.00	0.27	0.27	1.44
30	0.95	0.00	0.21	1.16	0.00	0.43	0.43	1.59
31	0.95	0.00	0.40	1.35	0.00	0.50	0.50	1.84
Sum	20.09	11.33	11.04	42.46	0.01	14.36	14.37	56.83

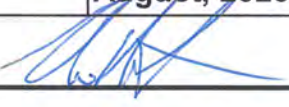
Percent Triangle 75% Avg flow 1.83
Percent Riverside 25%

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: Triangle Station			
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride			
PWSID#: 90080		Notes: See notes below for specific operating conditions.			
Reporting period:	August, 2020				
Signature:	9/4/2020	Date	GAUD mg/L	Location	HETL mg/L
		8/5/2020 13:30	0.80	Western Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.42	47	0.81	0.60
2	1.30	45	0.81	0.62
3	1.36	45	0.78	0.60
4	1.45	50	0.74	0.62
5	0.97	32	0.65	0.59
6	1.41	48	0.73	0.62
7	1.30	43	0.66	0.60
8	1.46	51	0.58	0.63
9	1.15	40	0.51	0.63
10	1.28	47	0.56	0.66
11	1.52	55	0.66	0.65
12	1.79	67	0.58	0.68
13	1.60	61	0.58	0.68
14	1.52	58	0.57	0.69
15	1.48	56	0.60	0.68
16	1.31	50	0.55	0.68
17	1.44	27	0.35	0.33
18	1.44	0	0.10	0.00
19	1.53	0	0.10	0.00
20	1.48	87	0.10	1.06
21	1.32	35	0.57	0.48
22	1.37	50	0.93	0.65
23	1.12	37	0.86	0.60
24	1.46	48	0.87	0.59
25	1.31	41	0.86	0.56
26	1.13	34	0.81	0.54
27	1.34	42	0.73	0.56
28	1.52	46	0.67	0.55
29	1.17	35	0.67	0.54
30	1.16	35	0.66	0.54
31	1.35	38	0.69	0.51
Avg	1.37	43.60	0.62	0.57
Min	0.97	0.00	0.10	0.00
Max	1.79	86.85	0.93	1.06
Total	42.46	1,351.45		

Operating comments

The fluoride saturator needed to be removed from service for cleaning and routine maintenance. The saturator was returned to service on August 21.

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>			
System Name:	<u>Greater Augusta Utility District</u>	Chemical Used: <u>Sodium fluoride</u>			
PWSID#: 90080					
Reporting period:	<u>August, 2020</u>	Notes: See notes below for specific operating conditions.			
Signature:		Date	GAUD mg/L	Location	HETL mg/L
	9/4/2020	8/5/2020 14:10	0.77	12 Williams Street	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.35	12	0.71	0.62
2	0.48	17	0.69	0.64
3	0.51	17	0.66	0.60
4	0.53	18	0.65	0.62
5	0.48	17	0.62	0.64
6	0.28	10	0.61	0.63
7	0.66	21	0.53	0.57
8	0.45	15	0.45	0.60
9	0.88	38	0.41	0.78
10	0.58	9	0.27	0.28
11	0.41	6	0.22	0.27
12	0.42	11	0.53	0.47
13	0.49	19	0.76	0.70
14	0.45	18	0.86	0.73
15	0.40	16	0.89	0.72
16	0.44	17	0.90	0.70
17	0.63	22	0.84	0.63
18	0.41	14	0.81	0.62
19	0.35	13	0.85	0.66
20	0.47	18	0.89	0.68
21	0.38	13	0.87	0.61
22	0.46	16	0.85	0.62
23	0.57	20	0.86	0.64
24	0.55	19	0.80	0.62
25	0.30	10	0.65	0.61
26	0.43	12	0.72	0.51
27	0.45	16	0.75	0.64
28	0.38	13	0.75	0.62
29	0.27	9	0.72	0.61
30	0.43	15	0.74	0.63
31	0.50	17	0.75	0.62
Avg	0.46	15.74	0.70	0.61
Min	0.27	6.00	0.22	0.27
Max	0.88	38.00	0.90	0.78
Total	14.37	488.00		

Operating comments

The fill line to the spider at the bottom of the fluoride saturator had come loose and required the tank to be drained for repair.

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: August, 2020

Reporting date: 9/4/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
8/1/2020	67,651	1.34	0.60	
8/2/2020	138,500	1.36	1.00	
8/3/2020	151,469	1.39	1.20	
8/4/2020	142,781	1.41	1.10	
8/5/2020	144,922	1.40	1.20	
8/6/2020	146,789	1.37	1.10	
8/7/2020	150,805	1.36	1.20	
8/8/2020	75,133	1.38	0.60	
8/9/2020	137,836	1.48	1.00	
8/10/2020	156,148	1.31	1.30	
8/11/2020	162,305	1.35	1.20	
8/12/2020	153,742	1.37	1.30	
8/13/2020	154,539	1.37	1.20	
8/14/2020	150,141	1.37	1.30	
8/15/2020	78,336	1.35	0.60	
8/16/2020	130,484	1.39	1.10	
8/17/2020	138,500	1.36	1.10	
8/18/2020	143,586	1.34	1.20	
8/19/2020	127,141	1.28	1.10	
8/20/2020	203,875	1.21	1.70	
8/21/2020	91,313	1.25	0.80	
8/22/2020	136,766	1.26	1.20	
8/23/2020	110,555	1.32	1.10	
8/24/2020	102,406	1.33	1.00	
8/25/2020	47,990	0.91	0.90	
8/26/2020	108,422	1.05	1.20	
8/27/2020	82,219	1.52	1.00	
8/28/2020	291,180	1.77	3.00	
8/29/2020	-			no consumption
8/30/2020	175,930	1.53	2.14	
8/31/2020	96,797	1.62	1.07	
Sum	3,998,258		35.51	
Average	128,976	1.36	1.18	
Max		1.77		

Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

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Keith Luke, Augusta ex-officio member
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Cary Colwell, Hallowell ex-officio member
ccolwell@greateraugustautilitydistrict.org

October 5, 2020

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 the month of September, 2020.

You should find the following documents:

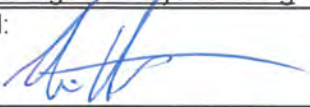
1. Operating report;
2. Water production report;
3. Triangle fluoridation report
4. Riverside fluoridation report; and
5. Togus disinfection report.

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.

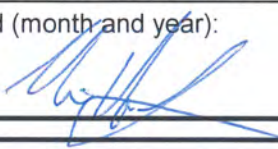
Brian Tarbuck, PE, System Class IV 2026

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@greteraugustautilitydistrict.org			
Reporting period:	September, 2020		
Signature:		10/5/2020	

Water production, pH and free chlorine residual							Chemical usage					
Triangle Station			Riverside Station				Triangle Station			Riverside Station		
Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH		Calc	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	1.16	7.94	1.15	0.53	7.77	0.88	3	13		1.1	6.9	
2	1.19	7.95	1.12	0.43	7.77	0.87	4	12		1.0	5.7	
3	1.27	7.94	1.13	0.48	7.77	0.88	3	14		1.1	6.4	
4	1.29	7.95	1.11	0.35	7.77	0.86	4	14	50	0.8	4.7	50
5	1.28	7.95	1.13	0.41	7.77	0.86	3	13		0.9	5.5	
6	0.95	7.96	1.13	0.50	7.77	0.86	3	11		1.2	6.6	
7	1.33	7.96	1.12	0.45	7.77	0.87	3	14		1.0	5.9	
8	1.32	7.96	1.08	0.49	7.77	1.09	4	14	50	1.1	6.6	
9	1.39	7.95	1.04	0.48	7.74	1.28	3	15		1.1	6.3	
10	1.32	7.95	1.03	0.44	7.77	1.19	4	14		0.9	5.5	
11	1.43	7.96	1.10	0.21	7.76	1.14	3	15		0.8	4.2	
12	1.30	7.98	1.11	0.40	7.77	1.15	4	14		0.9	4.9	
13	1.12	7.99	1.11	0.44	7.76	1.14	2	12		1.0	5.5	
14	1.30	7.99	1.18	0.49	7.76	1.12	4	14	100	1.1	5.9	
15	1.30	8.00	1.20	0.43	7.74	0.91	3	14		1.0	5.3	50
16	1.34	8.01	1.24	0.35	7.75	1.02	3	15		0.8	4.3	
17	1.21	7.85	1.20	0.65	7.75	1.02	3	12		1.5	7.7	
18	1.31	7.71	1.17	0.39	7.75	1.00	3	14		0.9	4.8	50
19	1.17	7.72	1.19	0.48	7.75	1.00	3	12		1.1	5.7	
20	1.09	7.73	1.21	0.54	7.75	1.00	2	12		1.3	6.4	
21	1.67	7.73	1.18	0.35	7.75	0.99	4	18		0.8	4.4	
22	1.43	7.73	1.14	0.86	7.75	1.00	3	15	50	1.9	10.1	
23	2.29	7.72	1.17	0.37	7.75	0.97	5	26		0.9	4.4	
24	2.21	7.72	1.18	0.38	7.74	0.94	5	24		0.9	4.9	
25	1.28	7.70	1.07	0.62	7.75	0.96	3	14		1.4	7.3	
26	1.91	7.71	1.09	0.47	7.75	0.94	4	20		1.1	5.6	
27	1.39	7.71	1.05	0.42	7.75	0.93	3	14		1.0	5.1	
28	1.07	7.71	1.05	0.66	7.75	0.98	3	11		1.5	7.7	
29	1.16	7.71	1.06	0.66	7.75	1.02	2	12	100	1.5	7.8	
30	0.97	7.70	1.04	0.61	7.75	1.01	3	10		1.4	7.2	
Summary	40.45	7.85	1.03	14.31	7.76	0.86	99	435	350	33	179	150
	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	132 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	613 gallons
NaF	Sodium fluoride	fluoridation		500 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:	0.76

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):		September, 2020	
Signature 		October 5, 2020	

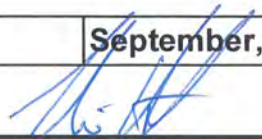
Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.95	0.00	0.20	1.16	0.00	0.53	0.53	1.69
2	0.95	0.00	0.23	1.19	0.00	0.43	0.43	1.61
3	0.95	0.00	0.31	1.27	0.00	0.48	0.48	1.75
4	0.95	0.00	0.35	1.29	0.00	0.35	0.35	1.64
5	0.94	0.00	0.34	1.28	0.00	0.41	0.41	1.70
6	0.95	0.00	0.00	0.95	0.00	0.50	0.50	1.45
7	0.94	0.00	0.39	1.33	0.00	0.45	0.45	1.78
8	0.30	0.77	0.25	1.32	0.00	0.48	0.49	1.81
9	0.02	1.11	0.26	1.39	0.03	0.45	0.48	1.87
10	0.00	1.11	0.21	1.32	0.00	0.44	0.44	1.75
11	0.00	1.10	0.33	1.43	0.00	0.21	0.21	1.64
12	0.00	1.08	0.22	1.30	0.00	0.40	0.40	1.70
13	0.00	1.12	0.00	1.12	0.00	0.44	0.44	1.55
14	0.34	0.35	0.62	1.30	0.00	0.49	0.49	1.79
15	0.39	0.00	0.91	1.30	0.00	0.43	0.43	1.72
16	0.43	0.00	0.91	1.34	0.00	0.35	0.35	1.69
17	0.30	0.00	0.91	1.21	0.00	0.65	0.65	1.86
18	0.40	0.00	0.90	1.31	0.00	0.39	0.39	1.70
19	0.25	0.00	0.91	1.17	0.00	0.48	0.48	1.64
20	0.17	0.00	0.92	1.09	0.00	0.54	0.54	1.63
21	0.73	0.54	0.41	1.67	0.00	0.35	0.35	2.02
22	0.93	0.47	0.03	1.43	0.00	0.86	0.86	2.29
23	0.87	0.87	0.55	2.29	0.00	0.37	0.37	2.66
24	0.89	0.74	0.58	2.21	0.00	0.38	0.38	2.59
25	0.53	0.45	0.30	1.28	0.00	0.62	0.62	1.90
26	0.69	1.07	0.15	1.91	0.00	0.47	0.47	2.38
27	0.92	0.47	0.00	1.39	0.00	0.42	0.42	1.81
28	0.47	0.15	0.45	1.07	0.00	0.66	0.66	1.73
29	0.00	0.25	0.91	1.16	0.00	0.66	0.66	1.82
30	0.00	0.05	0.92	0.97	0.00	0.61	0.61	1.58
Sum	15.26	11.72	13.47	40.45	0.03	14.28	14.31	54.76

Percent Triangle	74%	Avg flow	1.83
Percent Riverside	26%		

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: Triangle Station			
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride			
PWSID#: 90080		Notes: See notes below for specific operating conditions.			
Reporting period:	September, 2020	Date	GAUD mg/L	Location	HETL mg/L
Signature:	10/5/2020	9/10/2020 11:15	0.66	Western Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.16	35	0.69	0.55
2	1.19	36	0.69	0.54
3	1.27	39	0.67	0.55
4	1.29	39	0.66	0.54
5	1.28	39	0.68	0.55
6	0.95	29	0.68	0.55
7	1.33	42	0.69	0.56
8	1.32	38	0.65	0.51
9	1.39	41	0.63	0.54
10	1.32	41	0.63	0.56
11	1.43	45	0.67	0.56
12	1.30	42	0.69	0.58
13	1.12	35	0.68	0.56
14	1.30	36	0.64	0.49
15	1.30	40	0.67	0.56
16	1.34	43	0.76	0.57
17	1.21	38	0.80	0.57
18	1.31	41	0.73	0.57
19	1.17	36	0.69	0.56
20	1.09	33	0.70	0.54
21	1.67	50	0.66	0.54
22	1.43	43	0.64	0.54
23	2.29	78	0.70	0.62
24	2.21	77	0.82	0.63
25	1.28	44	0.75	0.63
26	1.91	67	0.67	0.63
27	1.39	48	0.65	0.61
28	1.07	36	0.65	0.61
29	1.16	35	0.67	0.55
30	0.97	34	0.74	0.63
Avg	1.35	42.62	0.69	0.57
Min	0.95	29.10	0.63	0.49
Max	2.29	78.45	0.82	0.63
Total	40.45	1,278.70		

Operating comments

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>			
System Name:	Greater Augusta Utility District	Chemical Used: <u>Sodium fluoride</u>			
PWSID#: 90080					
Reporting period:	September, 2020	Notes: See notes below for specific operating conditions.			
Signature: 		Date	GAUD mg/L	Location	HETL mg/L
10/5/2020		9/10/2020 11:15	0.71	12 Williams Street	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.53	18	0.72	0.62
2	0.43	14	0.72	0.59
3	0.48	16	0.72	0.60
4	0.35	10	0.72	0.51
5	0.41	13	0.73	0.57
6	0.50	17	0.74	0.61
7	0.45	16	0.74	0.64
8	0.49	16	0.70	0.59
9	0.48	16	0.74	0.60
10	0.44	14	0.74	0.58
11	0.21	12	0.71	1.03
12	0.40	13	0.74	0.59
13	0.44	15	0.75	0.62
14	0.49	17	0.75	0.63
15	0.43	12	0.67	0.51
16	0.35	11	0.76	0.57
17	0.65	22	0.71	0.61
18	0.39	11	0.73	0.51
19	0.48	16	0.76	0.61
20	0.54	19	0.78	0.64
21	0.35	11	0.77	0.57
22	0.86	30	0.69	0.63
23	0.37	12	0.60	0.59
24	0.38	13	0.64	0.61
25	0.62	22	0.67	0.63
26	0.47	16	0.67	0.61
27	0.42	15	0.66	0.65
28	0.66	22	0.66	0.60
29	0.66	23	0.66	0.63
30	0.61	21	0.66	0.62
Avg	0.48	16.10	0.71	0.61
Min	0.21	10.00	0.60	0.51
Max	0.86	30.00	0.78	1.03
Total	14.31	483.00		

Operating comments

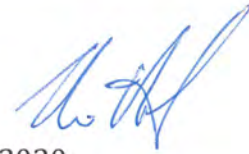
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: September, 2020

Reporting date: 10/5/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
9/1/2020	143,044	1.55		lightning strike impaired ability to trend realtime hypchlorite use
9/2/2020	128,350	1.60	1.00	
9/3/2020	70,580	1.60	0.90	
9/4/2020	137,430	1.57	1.40	
9/5/2020	132,360	1.59		
9/6/2020	66,710	1.56		
9/7/2020	130,750	1.59		
9/8/2020	141,710	1.57		
9/9/2020	139,570	1.54	1.30	
9/10/2020	78,340	1.51		
9/11/2020	132,890	1.53		
9/12/2020	125,810	1.50		
9/13/2020	64,830	1.49		
9/14/2020	136,100	1.45		
9/15/2020	66,040	2.21		
9/16/2020	133,290	1.22		
9/17/2020	143,990	1.42		
9/18/2020	143,980	1.38		
9/19/2020	65,110	1.39	0.70	normal data archiving restored
9/20/2020	70,590	1.44	0.60	
9/21/2020	161,500	1.72	1.50	
9/22/2020	66,430	1.45	0.70	
9/23/2020	118,850	1.76	1.10	
9/24/2020	136,110	1.60	1.30	
9/25/2020	135,420	1.45	1.30	
9/26/2020	64,710	1.47	0.60	
9/27/2020	67,110	1.41	0.60	
9/28/2020	139,830	1.41	1.30	
9/29/2020	71,390	1.90	0.70	
9/30/2020	145,730	1.83	1.20	
Sum	3,455,351		18.34	
Average	111,463	1.56	1.08	
Max		2.21		

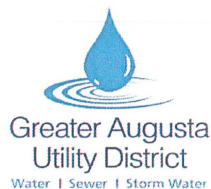
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November 5, 2020

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

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Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of October, 2020.

You should find the following documents:

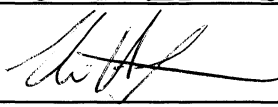
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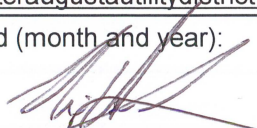
Brian Tarbuck, PE, System Class IV 2026

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:	October, 2020		
Signature:	 11/5/2020		

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	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	1.26	7.71	1.08	0.37	7.76	1.01	2	13		0.8	4.6	50
2	0.93	7.71	1.10	0.86	7.76	1.02	3	9	100	2.0	10.0	
3	0.99	7.72	1.10	0.73	7.76	1.01	2	10		1.6	8.5	
4	1.02	7.72	1.10	0.56	7.76	1.01	2	11		1.3	6.6	
5	1.08	7.72	1.10	0.59	7.75	1.00	3	11		1.3	6.9	
6	1.02	7.72	1.11	0.73	7.76	0.99	2	11		1.7	8.5	
7	0.93	7.72	1.11	0.67	7.76	0.97	2	10		1.5	7.8	
8	1.04	7.72	1.09	0.67	7.76	0.96	3	11		1.5	7.8	
9	1.10	7.71	1.09	0.55	7.76	1.01	2	11		1.3	6.3	
10	1.05	7.72	1.11	0.60	7.76	1.07	3	11		1.4	7.0	
11	0.92	7.72	1.09	0.53	7.76	1.07	2	9		1.2	6.1	
12	1.01	7.73	1.09	0.53	7.76	1.08	2	11		1.2	6.2	
13	0.85	7.73	1.05	0.86	7.76	1.09	2	9		1.9	9.9	
14	0.96	7.73	1.02	0.63	7.76	1.07	3	10	100	1.5	7.4	
15	0.96	7.73	1.03	0.59	7.76	1.06	2	10		1.3	7.0	50
16	0.79	7.73	1.02	0.63	7.76	1.05	2	8		1.4	7.4	
17	0.95	7.73	1.02	0.46	7.76	1.06	2	10		1.1	5.4	
18	0.95	7.73	1.03	0.54	7.76	1.06	2	10		1.2	6.2	
19	0.76	7.73	0.98	0.74	7.76	1.06	2	8		1.7	8.5	
20	1.10	7.74	1.02	0.61	7.76	1.06	3	11		1.4	7.1	
21	0.90	7.73	0.94	0.60	7.76	1.05	2	9		1.4	6.9	
22	1.09	7.74	1.15	0.62	7.76	1.04	2	13	100	1.4	7.1	
23	0.84	7.74	1.06	0.61	7.75	1.04	2	9		1.4	7.2	
24	0.81	7.74	1.06	0.64	7.74	1.04	2	9		1.4	7.3	
25	1.03	7.74	1.10	0.44	7.74	1.03	2	12		1.0	5.2	
26	1.02	7.74	1.17	0.43	7.72	1.03	3	11		1.0	5.0	
27	0.93	7.74	1.29	0.63	7.71	1.03	2	11		1.5	7.4	50
28	0.93	7.74	1.28	0.55	7.70	1.03	2	10		1.2	6.4	
29	0.93	7.74	1.22	0.63	7.70	1.03	3	10		1.5	7.3	
30	0.93	7.74	1.18	0.62	7.70	1.02	2	10		1.4	7.2	50
31	0.77	7.74	1.12	0.42	7.70	1.02	2	9		0.9	4.9	
Summary	29.84	7.73	0.94	18.63	7.75	0.96	70	318	300	42	216	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	112	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	535	gallons
NaF	Sodium fluoride	fluoridation		500	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:	0.69

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):			
Signature 		October, 2020	
November 5, 2020			

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	0.00	0.36	0.90	1.26	0.00	0.37	0.38	1.64
2	0.00	0.00	0.93	0.93	0.00	0.86	0.88	1.81
3	0.00	0.07	0.92	0.99	0.00	0.73	0.74	1.73
4	0.00	0.11	0.91	1.02	0.00	0.56	0.57	1.59
5	0.00	0.17	0.91	1.08	0.00	0.59	0.61	1.69
6	0.00	0.10	0.92	1.02	0.00	0.73	0.74	1.76
7	0.00	0.00	0.92	0.93	0.00	0.67	0.69	1.62
8	0.00	0.13	0.91	1.04	0.00	0.67	0.68	1.72
9	0.00	0.19	0.91	1.10	0.00	0.55	0.56	1.66
10	0.00	0.13	0.91	1.05	0.00	0.60	0.62	1.66
11	0.00	0.00	0.92	0.92	0.00	0.53	0.54	1.46
12	0.00	0.09	0.91	1.01	0.00	0.53	0.54	1.54
13	0.39	0.00	0.46	0.85	0.00	0.86	0.88	1.73
14	0.96	0.00	0.00	0.96	0.00	0.63	0.65	1.61
15	0.95	0.00	0.00	0.96	0.00	0.59	0.60	1.56
16	0.78	0.00	0.00	0.79	0.00	0.63	0.65	1.44
17	0.95	0.00	0.00	0.95	0.00	0.46	0.47	1.42
18	0.95	0.00	0.00	0.95	0.00	0.54	0.55	1.50
19	0.21	0.55	0.00	0.76	0.00	0.74	0.76	1.52
20	0.00	1.10	0.00	1.10	0.00	0.61	0.62	1.73
21	0.00	0.76	0.14	0.90	0.00	0.60	0.61	1.51
22	0.00	1.09	0.00	1.09	0.00	0.61	0.63	1.72
23	0.00	0.78	0.06	0.84	0.00	0.61	0.63	1.47
24	0.00	0.81	0.00	0.81	0.00	0.64	0.65	1.46
25	0.00	0.90	0.13	1.03	0.00	0.44	0.45	1.48
26	0.28	0.24	0.50	1.02	0.00	0.43	0.44	1.46
27	0.00	0.00	0.93	0.93	0.00	0.63	0.64	1.57
28	0.00	0.00	0.93	0.93	0.00	0.55	0.56	1.49
29	0.00	0.00	0.93	0.93	0.00	0.63	0.64	1.57
30	0.00	0.00	0.92	0.93	0.00	0.62	0.63	1.56
31	0.18	0.00	0.59	0.77	0.00	0.42	0.43	1.20
Sum	5.65	7.62	16.58	29.84	0.00	18.62	19.03	48.88

Percent Triangle 61% Avg flow 1.58
Percent Riverside 39%

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: Triangle Station	
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride	
PWSID#: 90080			
Reporting period:	October, 2020	Notes: See notes below for specific operating conditions.	
Signature: 	11/5/2020	Date	GAUD mg/L
		10/8/2020 13:20	0.75
		Location	HETL mg/L
		Western Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.26	44	0.77	0.63
2	0.93	26	0.70	0.51
3	0.99	33	0.68	0.59
4	1.02	35	0.68	0.62
5	1.08	36	0.67	0.60
6	1.02	35	0.67	0.61
7	0.93	33	0.71	0.64
8	1.04	37	0.73	0.64
9	1.10	38	0.73	0.63
10	1.05	36	0.71	0.63
11	0.92	33	0.73	0.65
12	1.01	34	0.74	0.62
13	0.85	29	0.73	0.62
14	0.96	30	0.74	0.56
15	0.96	33	0.74	0.63
16	0.79	28	0.75	0.65
17	0.95	33	0.76	0.63
18	0.95	34	0.76	0.65
19	0.76	27	0.71	0.64
20	1.10	40	0.68	0.65
21	0.90	31	0.77	0.63
22	1.09	36	0.76	0.58
23	0.84	30	0.78	0.64
24	0.81	29	0.77	0.65
25	1.03	38	0.80	0.66
26	1.02	36	0.77	0.64
27	0.93	32	0.74	0.61
28	0.93	32	0.73	0.62
29	0.93	31	0.73	0.60
30	0.93	32	0.73	0.62
31	0.77	26	0.73	0.61
Avg	0.96	33.18	0.73	0.62
Min	0.76	26.45	0.67	0.51
Max	1.26	43.69	0.80	0.66
Total	29.84	1,028.57		

Operating comments

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>			
System Name:	<u>Greater Augusta Utility District</u>	Chemical Used: <u>Sodium fluoride</u>			
PWSID#: 90080					
Reporting period:	<u>October, 2020</u>	Notes: See notes below for specific operating conditions.			
Signature: 	11/5/2020	Date	GAUD mg/L	Location	HETL mg/L
		10/8/2020 10:40	0.69	12 Williams Street	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.37	10	0.68	0.49
2	0.86	30	0.70	0.63
3	0.73	26	0.72	0.64
4	0.56	19	0.72	0.61
5	0.59	21	0.72	0.64
6	0.73	25	0.72	0.62
7	0.67	24	0.72	0.64
8	0.67	23	0.73	0.62
9	0.55	20	0.74	0.65
10	0.60	22	0.75	0.66
11	0.53	18	0.75	0.62
12	0.53	19	0.76	0.65
13	0.86	32	0.76	0.67
14	0.63	23	0.71	0.65
15	0.59	18	0.68	0.55
16	0.63	23	0.68	0.65
17	0.46	17	0.69	0.67
18	0.54	19	0.70	0.63
19	0.74	27	0.70	0.66
20	0.61	22	0.70	0.65
21	0.60	22	0.70	0.66
22	0.62	22	0.70	0.64
23	0.61	22	0.70	0.64
24	0.64	24	0.70	0.68
25	0.44	16	0.72	0.66
26	0.43	16	0.72	0.67
27	0.63	20	0.66	0.57
28	0.55	20	0.71	0.66
29	0.63	23	0.75	0.66
30	0.62		0.76	
31	0.42		0.76	
Avg	0.60	21.48	0.72	0.64
Min	0.37	10.00	0.66	0.49
Max	0.86	32.00	0.76	0.68
Total	18.63	623.00		

Operating comments

The water meter that records flow to SCADA was reset on October 30. There was a problem correlating the pulse count in the PLC to SCADA which wasn't discovered until we downloaded data for the monthly reports.

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: October, 2020

Reporting date: 11/5/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
10/1/2020	135,829	1.77	0.90	
10/2/2020	68,852	1.80	0.50	
10/3/2020	123,797	1.79	0.90	
10/4/2020	66,578	1.84	0.40	
10/5/2020	74,063	1.66	0.50	
10/6/2020	131,547	1.47	0.90	
10/7/2020	136,500	1.36	0.90	
10/8/2020	72,328	1.50	0.50	
10/9/2020	136,492	1.40	0.90	
10/10/2020	63,508	1.46	0.40	
10/11/2020	67,914	1.39	0.40	
10/12/2020	78,211	1.34	0.50	
10/13/2020	121,922	1.55	0.80	
10/14/2020	136,367	1.51	0.90	
10/15/2020	70,047	1.64	0.50	
10/16/2020	133,828	1.63	1.00	
10/17/2020	64,703	1.52	0.40	
10/18/2020	125,398	1.56	0.90	
10/19/2020	74,734	1.65	0.60	
10/20/2020	137,438	1.61	1.00	
10/21/2020	135,023	1.52	0.90	
10/22/2020	68,719	1.55	0.50	
10/23/2020	145,453	1.54	1.10	
10/24/2020	66,711	1.55	0.50	
10/25/2020	67,250	1.55	0.40	
10/26/2020	122,188	1.63	0.90	
10/27/2020	62,438	1.62	0.50	
10/28/2020	64,836	1.61	0.40	
10/29/2020	104,414	1.61	0.80	
10/30/2020	60,828	1.62	0.40	
10/31/2020	58,953	1.59	0.40	
Sum	2,976,868		20.60	
Average	96,028	1.58	0.66	
Max		1.84		

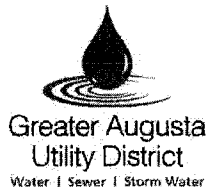
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btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

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ccolwell@greateraugustautilitydistrict.org

December 4, 2020

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 the month of November, 2020.

You should find the following documents:

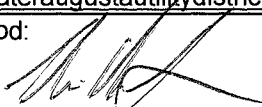
1. Operating report;
2. Water production report;
3. Triangle fluoridation report
4. Riverside fluoridation report; and
5. Togus disinfection report.

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.

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@greateraugustacitydistrict.org			
Reporting period:	November, 2020		
Signature:		12/3/2020	

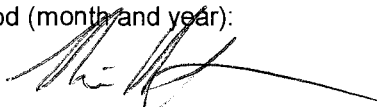
	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	0.93	7.75	1.17	0.71	7.69	1.02	2	10		1.6	8.2	
2	0.64	7.75	1.10	0.65	7.69	1.02	2	7	100	1.5	7.6	
3	0.96	7.75	1.09	0.60	7.69	1.01	2	11		0.1	7.0	
4	0.95	7.75	1.07	0.36	7.69	0.98	2	10		0.9	4.4	
5	1.25	7.76	1.10	0.24	7.68	0.95	3	13		0.5	3.2	
6	0.96	7.75	1.11	0.77	7.68	1.00	2	10		1.8	9.0	
7	0.86	7.75	1.06	0.44	7.68	0.97	2	9		1.0	5.3	
8	0.94	7.75	1.06	0.40	7.68	0.95	2	10		0.9	4.8	
9	1.09	7.75	1.07	0.56	7.68	0.97	3	12		1.3	6.6	
10	0.93	7.75	1.07	0.52	7.67	0.96	2	10	50	1.2	6.2	
11	0.93	7.75	1.14	0.67	7.67	0.96	2	11		1.5	8.0	
12	0.93	7.75	1.14	0.57	7.67	0.95	3	10		1.3	6.8	
13	0.93	7.75	1.15	0.63	7.67	0.97	2	11		1.4	7.3	50
14	0.88	7.75	1.11	0.36	7.67	0.94	2	10		0.9	4.3	
15	0.92	7.76	1.14	0.52	7.66	0.95	3	11		1.1	6.0	
16	0.88	7.76	1.09	0.57	7.66	0.95	2	10		1.3	6.6	
17	1.06	7.76	1.09	0.46	7.66	0.93	2	12		1.1	5.5	
18	0.74	7.77	1.04	0.74	7.66	0.90	2	8		1.7	8.4	
19	1.09	7.77	1.09	0.43	7.66	1.00	3	12		0.9	4.9	50
20	0.67	7.77	1.05	0.66	7.66	1.10	1	8	50	1.5	7.5	
21	1.08	7.77	1.13	0.41	7.66	1.08	3	12		1.0	4.8	
22	0.61	7.77	1.06	0.58	7.67	1.10	1	7		1.3	6.6	
23	0.81	7.78	1.11	0.59	7.67	1.10	2	9		1.3	6.9	
24	0.93	7.78	1.15	0.54	7.67	1.10	3	11		1.2	6.3	
25	0.93	7.78	1.18	0.55	7.67	1.10	2	10		1.3	6.3	
26	0.35	7.78	1.12	0.86	7.67	1.11	1	4		1.9	9.8	
27	0.92	7.79	1.17	0.67	7.67	1.10	2	11		1.5	7.6	
28	0.65	7.79	1.13	0.55	7.68	1.09	2	7		1.3	6.4	
29	0.79	7.79	1.16	0.61	7.68	1.08	2	9		1.4	7.0	
30	1.31	7.79	1.12	0.49	7.68	1.08	3	14		1.1	5.8	
Summary	26.90	7.76	1.04	16.68	7.67	0.90	65	301	200	37	194	100
	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	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	102	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	496	gallons
NaF	Sodium fluoride	fluoridation		300	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results

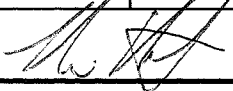
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.68

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):		November, 2020	
Signature 		December 3, 2020	

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	0.00	0.00	0.92	0.93	0.00	0.71	0.71	1.64
2	0.36	0.00	0.27	0.64	0.00	0.65	0.65	1.29
3	0.96	0.00	0.00	0.96	0.00	0.60	0.60	1.56
4	0.66	0.29	0.00	0.95	0.00	0.36	0.36	1.30
5	0.93	0.32	0.00	1.25	0.00	0.24	0.24	1.49
6	0.96	0.00	0.00	0.96	0.00	0.77	0.77	1.73
7	0.64	0.22	0.00	0.86	0.00	0.44	0.44	1.30
8	0.70	0.23	0.00	0.94	0.00	0.40	0.40	1.34
9	0.13	0.74	0.22	1.09	0.00	0.56	0.56	1.65
10	0.18	0.27	0.47	0.93	0.00	0.52	0.52	1.44
11	0.00	0.00	0.93	0.93	0.00	0.67	0.67	1.60
12	0.00	0.00	0.93	0.93	0.00	0.57	0.57	1.49
13	0.00	0.00	0.92	0.93	0.00	0.63	0.63	1.56
14	0.17	0.00	0.72	0.88	0.00	0.36	0.36	1.24
15	0.00	0.00	0.92	0.92	0.00	0.52	0.52	1.44
16	0.00	0.57	0.31	0.88	0.00	0.57	0.57	1.45
17	0.00	1.06	0.00	1.06	0.00	0.46	0.46	1.52
18	0.00	0.74	0.00	0.74	0.00	0.74	0.74	1.48
19	0.00	1.09	0.00	1.09	0.00	0.42	0.42	1.51
20	0.00	0.67	0.00	0.67	0.00	0.66	0.66	1.32
21	0.00	1.08	0.00	1.08	0.00	0.41	0.41	1.49
22	0.00	0.61	0.00	0.61	0.00	0.58	0.58	1.19
23	0.00	0.36	0.45	0.81	0.00	0.59	0.59	1.39
24	0.00	0.00	0.93	0.93	0.00	0.54	0.54	1.47
25	0.00	0.00	0.92	0.93	0.00	0.55	0.55	1.48
26	0.00	0.00	0.35	0.35	0.00	0.86	0.86	1.21
27	0.00	0.00	0.92	0.92	0.00	0.67	0.67	1.59
28	0.00	0.00	0.64	0.65	0.00	0.55	0.55	1.20
29	0.00	0.00	0.79	0.79	0.00	0.61	0.61	1.40
30	0.00	0.64	0.67	1.31	0.00	0.49	0.49	1.80
Sum	5.69	8.93	12.28	26.90	0.00	16.68	16.68	43.58

Percent Triangle 62%
Percent Riverside 38%

Avg flow 1.45

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: Triangle Station	
System Name:	Greater Augusta Utility District	Chemical Used: Sodium fluoride	
PWSID#: 90080			
Reporting period:	November, 2020	Notes: See notes below for specific operating conditions.	
Signature: 	12/3/2020	Date	GAUD mg/L
		11/5/2020 13:40	0.76
		Location	HETL mg/L
		Western Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.93	33	0.73	0.64
2	0.64	22	0.71	0.61
3	0.96	28	0.71	0.52
4	0.95	33	0.70	0.62
5	1.25	42	0.73	0.60
6	0.96	32	0.75	0.60
7	0.86	29	0.74	0.61
8	0.94	32	0.74	0.61
9	1.09	38	0.71	0.62
10	0.93	30	0.70	0.59
11	0.93	31	0.75	0.60
12	0.93	32	0.75	0.62
13	0.93	31	0.76	0.61
14	0.88	32	0.77	0.64
15	0.92	31	0.76	0.60
16	0.88	31	0.72	0.64
17	1.06	36	0.68	0.61
18	0.74	26	0.68	0.62
19	1.09	37	0.68	0.62
20	0.67	20	0.68	0.54
21	1.08	38	0.69	0.63
22	0.61	21	0.71	0.63
23	0.81	28	0.70	0.62
24	0.93	32	0.73	0.62
25	0.93	31	0.75	0.61
26	0.35	12	0.74	0.64
27	0.92	31	0.73	0.61
28	0.65	22	0.73	0.62
29	0.79	27	0.72	0.60
30	1.31	34	0.62	0.47
Avg	0.90	30.03	0.72	0.61
Min	0.35	12.40	0.62	0.47
Max	1.31	42.09	0.77	0.64
Total	26.90	900.90		

Operating comments

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>	
System Name:	<u>Greater Augusta Utility District</u>	Chemical Used: <u>Sodium fluoride</u>	
PWSID#: 90080			
Reporting period:	<u>November, 2020</u>	Notes: See notes below for specific operating conditions.	
Signature: 	12/3/2020	Date	GAUD mg/L
		11/5/2020 11:15	0.71
		Location	HETL mg/L
		12 Williams Street	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.71		0.76	0.00
2	0.65		0.76	0.00
3	0.60	17	0.76	0.51
4	0.36		0.77	0.00
5	0.24		0.76	0.00
6	0.77	13	0.75	0.30
7	0.44		0.75	0.00
8	0.40		0.75	0.00
9	0.56		0.75	0.00
10	0.52	22	0.75	0.77
11	0.67		0.75	0.00
12	0.57		0.75	0.00
13	0.63	21	0.78	0.60
14	0.36		0.77	0.00
15	0.52		0.77	0.00
16	0.57		0.77	0.00
17	0.46	16	0.78	0.63
18	0.74	11	0.66	0.27
19	0.43	21	0.60	0.88
20	0.66	17	0.62	0.47
21	0.41		0.66	0.00
22	0.58		0.66	0.00
23	0.59		0.57	0.00
24	0.54	27	0.35	0.90
25	0.55	3	0.09	0.10
26	0.86		0.09	0.00
27	0.67		0.09	0.00
28	0.55		0.09	0.00
29	0.61		0.09	0.00
30	0.49		0.11	0.00
Avg	0.56	16.80	0.59	0.18
Min	0.24	3.00	0.09	0.00
Max	0.86	27.00	0.78	0.90
Total	16.68	168.00		

Operating comments

The flowmeter that records gallons of makeup water entering the saturator failed to report accurately. We are using recorded observations of the flow meter until we can sort out what the issue is.

Fluoridation system taken out of service for maintenance.

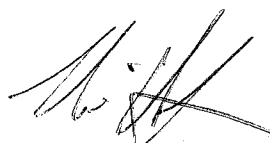
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: November, 2020

Reporting date: 12/4/2020



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
11/1/2020	2	1.66	0.00	no consumption
11/2/2020	64,840	1.63	0.40	
11/3/2020	120,320	1.73	0.90	
11/4/2020	62,300	1.79	0.40	
11/5/2020	74,870	1.73	0.50	
11/6/2020	137,030	1.54	0.80	
11/7/2020	68,850	1.54	0.40	
11/8/2020	64,040	1.48	0.40	
11/9/2020	134,620	1.43	0.70	
11/10/2020	77,540	1.40	0.50	
11/11/2020	124,060	1.42	0.70	
11/12/2020	68,050	1.37	0.40	
11/13/2020	125,810	1.41	0.70	
11/14/2020	-	1.38	0.00	no consumption
11/15/2020	60,160	1.38	0.30	
11/16/2020	69,520	1.38	0.30	
11/17/2020	66,180	1.37	0.30	
11/18/2020	67,110	1.47	0.40	
11/19/2020	66,710	1.43	0.80	
11/20/2020	122,060	1.40	0.70	
11/21/2020	-	1.46	0.00	no consumption
11/22/2020	64,170	1.46	0.30	
11/23/2020	69,120	1.48	0.40	
11/24/2020	72,590	1.43	0.40	
11/25/2020	118,310	1.52	0.70	
11/26/2020	-	1.53	0.00	no consumption
11/27/2020	60,570	1.49	0.30	
11/28/2020	59,490	1.46	0.40	
11/29/2020	63,230	1.55	0.30	
11/30/2020	77,940	1.42	0.50	
Sum	2,159,492		12.90	
Average	71,983	1.49	0.43	
Max		1.79		