

Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

February 7, 2022

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for January, 2022.

You should find the following documents:

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

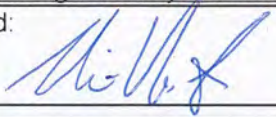
We have made the following modifications to our Coliform Sampling Site Plan due to COVID-19 access restrictions:

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

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

Sincerely,

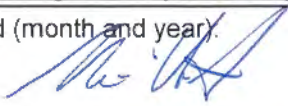
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period:	January, 2022		
Signature:		2/7/2022	

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	0.72	7.39	1.26	0.65	7.48	0.99	2.6	9.0		1.6	7.0	
2	0.74	7.38	1.27	0.68	7.48	0.99	2.0	9.0		1.7	7.2	
3	0.92	7.39	1.26	0.68	7.48	0.99	3.0	12.1		1.6	7.5	
4	0.99	7.41	1.29	0.65	7.47	0.99	3.0	13.1		1.7	7.3	
5	0.75	7.43	1.29	0.68	7.47	0.68	3.0	9.0		1.7	7.4	50
6	0.92	7.42	1.27	0.74	7.47	1.07	3.0	11.1		1.9	7.8	
7	0.93	7.41	1.30	0.70	7.48	1.08	2.8	11.1		1.8	7.5	
8	0.62	7.38	1.26	0.68	7.47	1.09	2.0	7.0		1.8	7.2	
9	0.93	7.35	1.26	0.71	7.47	1.09	3.0	10.1		1.8	7.6	
10	0.68	7.31	1.24	0.78	7.47	1.04	2.3	8.0	500	2.0	8.1	
11	0.93	7.28	1.24	0.73	7.47	1.09	3.0	10.1		1.8	7.8	
12	0.79	7.27	1.18	0.71	7.47	1.09	3.0	9.1	50	1.9	7.7	50
13	0.98	7.22	1.22	0.76	7.47	1.09	3.0	11.1		2.0	8.2	
14	1.44	7.21	1.24	0.58	7.48	1.08	5.0	16.1		1.5	6.4	
15	1.34	7.19	1.23	0.42	7.48	1.06	5.0	15.1	50	1.1	4.6	
16	0.88	7.18	1.21	0.74	7.48	1.08	3.0	10.1		1.9	8.1	
17	0.97	7.18	1.20	0.75	7.49	1.08	3.0	10.1		2.0	8.2	
18	0.62	7.18	1.08	0.69	7.49	1.08	3.0	7.0		1.8	7.6	
19	0.88	7.19	1.01	0.70	7.50	1.08	3.0	9.0	100	1.8	7.7	50
20	0.78	7.19	1.01	0.67	7.50	1.08	2.0	8.0		1.8	7.4	
21	1.02	7.19	1.03	0.71	7.50	1.09	4.0	10.1		1.9	7.8	
22	1.01	7.23	1.03	0.60	7.50	1.09	3.0	11.1		1.6	6.7	
23	0.75	7.60	1.01	0.65	7.50	1.10	3.0	7.0		1.7	7.3	
24	0.84	7.31	1.03	0.75	7.51	1.09	2.0	9.0		1.9	8.3	
25	0.93	7.27	1.05	0.75	7.51	1.10	4.0	9.0		2.0	8.3	50
26	0.93	7.26	1.05	0.71	7.51	1.11	3.0	9.0		1.8	7.9	50
27	0.93	7.48	1.06	0.72	7.50	1.11	3.0	9.1		1.9	8.1	
28	1.15	7.60	1.04	0.79	7.50	1.10	4.0	11.1	50	2.1	8.8	
29	0.96	7.57	1.06	0.64	7.50	1.10	3.0	10.1		1.7	7.2	
30	0.60	7.53	1.03	0.76	7.50	1.11	2.0	5.0		2.0	8.5	
31	0.93	7.39	1.05	0.81	7.50	1.11	3.0	9.0		2.1	9.1	50
Summary	27.87	7.34	1.01	21.59	7.49	0.68	94	305	750	56	235	300
	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	150	gallons
Hypo Sodium hypochlorite	primary and secondary disinfection	12.50%	540	gallons
NaF Sodium fluoride	fluoridation		1,050	pounds

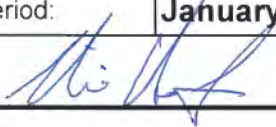
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.00

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):		January, 2022	
Signature 		February 7, 2022	

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	0.71	0.00	0.72	0.00	0.65	0.65	1.36
2	0.00	0.74	0.00	0.74	0.00	0.68	0.68	1.41
3	0.16	0.32	0.44	0.92	0.00	0.68	0.68	1.60
4	0.07	0.01	0.92	0.99	0.00	0.65	0.65	1.64
5	0.00	0.00	0.75	0.75	0.00	0.68	0.68	1.43
6	0.00	0.04	0.88	0.92	0.00	0.74	0.74	1.66
7	0.00	0.01	0.92	0.93	0.00	0.70	0.70	1.63
8	0.00	0.01	0.61	0.62	0.00	0.68	0.68	1.29
9	0.00	0.01	0.93	0.93	0.00	0.71	0.71	1.64
10	0.00	0.01	0.68	0.68	0.00	0.78	0.78	1.47
11	0.00	0.01	0.92	0.93	0.00	0.73	0.73	1.66
12	0.50	0.01	0.28	0.79	0.00	0.71	0.71	1.50
13	0.97	0.01	0.00	0.98	0.00	0.76	0.76	1.73
14	0.93	0.35	0.16	1.44	0.00	0.58	0.58	2.02
15	0.93	0.41	0.00	1.34	0.00	0.42	0.42	1.76
16	0.68	0.20	0.00	0.88	0.00	0.74	0.74	1.62
17	0.96	0.00	0.00	0.97	0.00	0.75	0.75	1.72
18	0.25	0.37	0.00	0.62	0.00	0.69	0.69	1.31
19	0.00	0.88	0.00	0.88	0.00	0.70	0.70	1.58
20	0.00	0.78	0.00	0.78	0.00	0.67	0.67	1.45
21	0.00	1.02	0.00	1.02	0.00	0.71	0.71	1.73
22	0.00	1.01	0.00	1.01	0.00	0.60	0.60	1.62
23	0.00	0.75	0.00	0.75	0.00	0.65	0.65	1.40
24	0.00	0.27	0.57	0.84	0.00	0.75	0.75	1.59
25	0.00	0.00	0.93	0.93	0.00	0.75	0.75	1.68
26	0.00	0.00	0.93	0.93	0.00	0.71	0.71	1.64
27	0.00	0.00	0.93	0.93	0.00	0.72	0.72	1.65
28	0.25	0.00	0.90	1.15	0.00	0.79	0.79	1.94
29	0.05	0.01	0.91	0.96	0.00	0.64	0.64	1.61
30	0.00	0.01	0.59	0.60	0.00	0.76	0.76	1.36
31	0.00	0.01	0.92	0.93	0.00	0.81	0.81	1.74
Sum	5.75	7.92	14.19	27.87	0.00	21.59	21.59	49.46

Percent Triangle 56%
Percent Riverside 44%

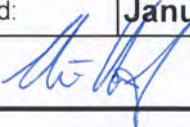
Average flow: 1.60

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:	January, 2022	Date	GAUD mg/L	Location	HETL mg/L
Signature: 	2/7/2022	1/13/2022 11:05	0.57	Western Station	0.5

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.72	1	0.09	0.02
2	0.74	0	0.10	0.00
3	0.92	0	0.09	0.00
4	0.99	0	0.08	0.00
5	0.75	0	0.08	0.00
6	0.92	0	0.08	0.00
7	0.93	0	0.08	0.00
8	0.62	0	0.08	0.00
9	0.93	0	0.08	0.00
10	0.68	90	0.29	2.37
11	0.93	30	0.72	0.58
12	0.79	24	0.76	0.54
13	0.98	32	0.78	0.60
14	1.44	47	0.76	0.58
15	1.34	44	0.78	0.59
16	0.88	30	0.81	0.61
17	0.97	32	0.79	0.59
18	0.62	21	0.73	0.60
19	0.88	25	0.68	0.50
20	0.78	25	0.70	0.58
21	1.02	34	0.72	0.59
22	1.01	32	0.75	0.57
23	0.75	25	0.75	0.60
24	0.84	27	0.73	0.57
25	0.93	30	0.73	0.58
26	0.93	29	0.73	0.56
27	0.93	29	0.74	0.57
28	1.15	35	0.73	0.55
29	0.96	31	0.74	0.58
30	0.60	18	0.74	0.55
31	0.93	29	0.73	0.57
Avg	0.90	23.15	0.54	0.47
Min	0.60	0.00	0.08	0.00
Max	1.44	89.60	0.81	2.37
Total	27.86	717.70		

Operating comments

NaF vat refilled; F- returned to service

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#: <u>90080</u>					
Reporting period:	<u>January, 2022</u>	Notes: See notes below for specific operating conditions.			
Signature: 	<u>2/7/2022</u>	Date	GAUD mg/L	Location	HETL mg/L
		<u>1/13/2022 13:15</u>	<u>0.75</u>	<u>12 Williams Street</u>	<u>0.8</u>

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.65	25	0.81	0.68
2	0.68	26	0.81	0.68
3	0.68	26	0.80	0.68
4	0.65	24	0.79	0.66
5	0.68	25	0.80	0.66
6	0.74	27	0.82	0.67
7	0.70	26	0.84	0.67
8	0.68	25	0.85	0.67
9	0.71	26	0.85	0.67
10	0.78	29	0.84	0.67
11	0.73	27	0.84	0.67
12	0.71	26	0.75	0.67
13	0.76	28	0.70	0.67
14	0.58	21	0.74	0.67
15	0.42	16	0.77	0.66
16	0.74	27	0.77	0.67
17	0.75	28	0.77	0.67
18	0.69	26	0.76	0.67
19	0.70	26	0.78	0.66
20	0.67	25	0.80	0.67
21	0.71	26	0.81	0.67
22	0.60	22	0.81	0.67
23	0.65	24	0.80	0.67
24	0.75	27	0.82	0.66
25	0.75	27	0.86	0.66
26	0.71	26	0.79	0.65
27	0.72	26	0.73	0.65
28	0.79	29	0.73	0.66
29	0.64	23	0.73	0.66
30	0.76	28	0.72	0.66
31	0.81	29	0.73	0.65
Avg	0.70	25.72	0.79	0.66
Min	0.42	15.54	0.70	0.65
Max	0.81	29.48	0.86	0.68
Total	21.59	797.19		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: January, 2022

Reporting date: 2/2/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
1/1/2022	66,580	1.01	0.40	
1/2/2022	66,310	1.03	0.60	
1/3/2022	78,200	0.96	0.70	
1/4/2022	74,200	0.84	0.40	
1/5/2022	77,820	0.95	0.40	
1/6/2022	72,040	1.07	0.40	
1/7/2022	74,350	0.97	0.40	
1/8/2022	69,250	0.97	0.40	
1/9/2022	62,970	1.17	0.30	
1/10/2022	66,700	0.97	0.40	
1/11/2022	80,750	0.93	0.40	
1/12/2022	73,530	0.90	0.30	
1/13/2022	105,220	0.88	0.60	
1/14/2022	92,110	0.85	0.50	
1/15/2022	-	0.89	0.00	valve closed, no flow
1/16/2022	62,830	0.87	0.40	
1/17/2022	65,510	0.89	0.40	
1/18/2022	70,050	0.88	0.40	
1/19/2022	69,250	0.89	0.40	
1/20/2022	71,390	0.88	0.40	
1/21/2022	71,800	0.91	0.40	
1/22/2022	64,170	0.92	0.40	
1/23/2022	65,500	0.96	0.30	
1/24/2022	69,120	0.90	0.40	
1/25/2022	68,990	0.84	0.40	
1/26/2022	69,920	0.91	0.30	
1/27/2022	70,310	1.00	0.40	
1/28/2022	69,130	0.98	0.50	
1/29/2022	64,030	0.97	0.30	
1/30/2022	71,260	0.97	0.50	
1/31/2022	73,930	0.94	0.40	
Sum	2,157,220		12.50	
Average	69,588	0.94	0.40	
Max		1.17		

Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
knight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

March 8, 2022

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 February, 2022.

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:

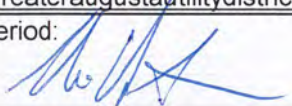
1. Pineland Forest booster pump station for Manchester Town Office; and
2. Western Station booster pump station for Quality Inn & Suites

I also noticed that the MOR for January showed the average monthly chlorine residual at 0.00 mg/L which was not correct. The correct value for the 28 samples collected in January was 0.78 mg/L as free chlorine.

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

Sincerely,

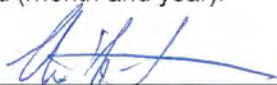
Brian Tarbuck, PE, System Class IV 2026

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@greateraugustautilitydistrict.org		
Reporting period:	February, 2022		
Signature:		3/8/2022	

	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	0.87	7.40	1.01	0.72	7.50	1.11	3.0	9.0		1.9	8.1	
2	0.97	7.53	1.04	0.66	7.50	1.16	3.0	9.1		1.7	7.4	
3	1.11	7.48	1.07	0.73	7.51	1.23	4.0	11.1		1.9	8.3	
4	1.01	7.28	1.11	0.64	7.51	1.21	3.0	10.1		1.6	7.3	
5	0.92	7.28	1.12	0.65	7.51	1.21	3.0	10.1		1.7	7.4	
6	0.93	7.27	1.12	0.76	7.51	1.22	3.0	9.0		2.0	8.6	
7	0.50	7.28	1.02	0.88	7.51	1.22	2.0	6.0	100	2.3	10.0	50
8	0.98	7.24	1.14	0.74	7.51	1.21	3.4	10.0	50	1.9	8.4	
9	0.96	7.22	1.23	0.65	7.51	1.20	3.0	11.1		1.7	7.3	
10	0.97	7.21	1.23	0.66	7.51	1.20	4.0	11.1		1.7	7.4	
11	0.97	7.21	1.23	0.70	7.51	1.12	4.0	11.1		1.9	8.0	
12	0.96	7.21	1.24	0.58	7.51	1.08	3.0	11.1		1.5	6.7	
13	0.96	7.21	1.24	0.63	7.52	1.09	4.4	11.0		1.6	7.2	
14	1.25	7.22	1.18	0.56	7.51	1.13	3.8	14.3		1.5	6.5	
15	1.09	7.20	1.14	0.57	7.52	1.17	4.0	12.1		1.5	6.7	50
16	1.02	7.23	1.15	0.62	7.70	1.14	3.0	12.1		1.6	7.3	
17	1.22	7.25	1.17	0.81	7.80	1.14	5.0	13.1	50	2.1	9.4	
18	0.95	7.25	1.15	0.50	7.80	1.16	3.3	11.1		1.3	5.9	
19	0.71	7.21	1.13	0.88	7.80	1.23	2.0	8.0		2.3	10.3	
20	1.02	7.21	1.17	0.70	7.81	1.21	4.0	11.1		1.9	8.1	
21	0.75	7.22	1.14	0.72	7.80	1.21	2.0	9.1		1.8	8.3	
22	0.72	7.24	1.10	0.77	7.80	1.21	3.0	8.0		2.1	8.9	
23	0.98	7.21	1.12	0.68	7.80	0.91	4.0	11.1		1.7	7.8	50
24	0.97	7.20	1.13	0.71	7.81	1.22	3.0	11.1		1.9	8.3	
25	0.63	7.20	1.11	0.69	7.81	1.23	3.0	8.0	50	1.8	8.2	
26	0.97	7.19	1.13	0.60	7.81	1.21	3.0	11.1		1.5	7.0	
27	0.60	7.19	1.11	0.76	7.81	1.21	3.0	7.0		2.0	8.9	
28	0.82	7.26	0.90	0.73	7.81	1.27	2.0	7.0		1.9	8.7	
Summary	25.81	7.25	0.90	19.27	7.64	0.91	91	284	250	50	222	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	142	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	505	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:	0.84

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):		February, 2022	
Signature 		March 8, 2022	

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	0.23	0.00	0.63	0.87	0.00	0.72	0.72	1.59
2	0.05	0.01	0.92	0.97	0.00	0.65	0.65	1.62
3	0.20	0.01	0.91	1.11	0.00	0.73	0.73	1.84
4	0.10	0.00	0.91	1.01	0.00	0.64	0.63	1.65
5	0.00	0.01	0.92	0.92	0.00	0.65	0.65	1.57
6	0.00	0.00	0.92	0.93	0.00	0.76	0.76	1.69
7	0.21	0.01	0.28	0.50	0.00	0.88	0.88	1.38
8	0.97	0.01	0.00	0.98	0.00	0.74	0.74	1.71
9	0.96	0.00	0.00	0.96	0.00	0.65	0.65	1.61
10	0.96	0.00	0.00	0.97	0.00	0.66	0.65	1.62
11	0.97	0.01	0.00	0.97	0.00	0.70	0.70	1.67
12	0.96	0.01	0.00	0.96	0.00	0.58	0.58	1.55
13	0.95	0.01	0.00	0.96	0.00	0.63	0.63	1.59
14	0.08	0.68	0.49	1.25	0.00	0.56	0.56	1.81
15	0.00	1.02	0.06	1.09	0.00	0.57	0.57	1.65
16	0.00	1.02	0.00	1.02	0.00	0.62	0.62	1.63
17	0.00	1.00	0.21	1.22	0.00	0.81	0.81	2.02
18	0.00	0.90	0.05	0.95	0.00	0.50	0.49	1.44
19	0.00	0.71	0.00	0.71	0.00	0.88	0.88	1.59
20	0.00	1.02	0.00	1.02	0.00	0.70	0.70	1.72
21	0.00	0.75	0.00	0.75	0.00	0.72	0.72	1.47
22	0.44	0.28	0.00	0.72	0.00	0.77	0.77	1.49
23	0.97	0.00	0.00	0.98	0.00	0.68	0.68	1.65
24	0.97	0.00	0.00	0.97	0.00	0.71	0.71	1.68
25	0.63	0.00	0.00	0.63	0.00	0.69	0.69	1.32
26	0.97	0.00	0.00	0.97	0.00	0.60	0.60	1.57
27	0.59	0.01	0.00	0.60	0.00	0.76	0.75	1.35
28	0.25	0.01	0.56	0.82	0.00	0.73	0.73	1.55
Sum	11.46	7.48	6.87	25.81	0.01	19.26	19.21	45.02

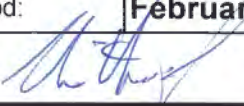
Percent Triangle 57%
Percent Riverside 43%

Average flow: 1.61

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:	February, 2022	Date	GAUD mg/L	Location	HETL mg/L
Signature: 	3/8/2022	2/10/2022 12:25	0.75	Western Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.87	29	0.74	0.59
2	0.97	31	0.73	0.57
3	1.11	36	0.72	0.58
4	1.01	33	0.72	0.59
5	0.92	29	0.73	0.57
6	0.93	30	0.75	0.58
7	0.50	12	0.74	0.44
8	0.98	31	0.70	0.56
9	0.96	33	0.71	0.61
10	0.97	33	0.74	0.61
11	0.97	33	0.74	0.61
12	0.96	33	0.75	0.62
13	0.96	33	0.75	0.61
14	1.25	42	0.75	0.61
15	1.09	37	0.75	0.61
16	1.02	34	0.79	0.60
17	1.22	41	0.72	0.60
18	0.95	30	0.68	0.58
19	0.71	24	0.72	0.60
20	1.02	34	0.74	0.60
21	0.75	26	0.73	0.61
22	0.72	25	0.75	0.63
23	0.98	34	0.77	0.63
24	0.97	34	0.77	0.63
25	0.63	20	0.78	0.55
26	0.97	34	0.78	0.64
27	0.60	20	0.79	0.61
28	0.82	27	0.69	0.60
Avg	0.92	30.55	0.74	0.59
Min	0.50	12.28	0.68	0.44
Max	1.25	42.34	0.79	0.64
Total	25.81	855.34		

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:	February, 2022	Notes: See notes below for specific operating conditions.			
Signature: 	3/8/2022	Date	GAUD mg/L	Location	HETL mg/L
		2/10/2022 13:15	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	0.72	26	0.73	0.66
2	0.66	24	0.74	0.65
3	0.73	26	0.74	0.66
4	0.64	23	0.74	0.66
5	0.65	24	0.73	0.66
6	0.76	28	0.73	0.66
7	0.88	32	0.74	0.66
8	0.74	27	0.73	0.66
9	0.65	24	0.78	0.66
10	0.66	24	0.81	0.66
11	0.70	26	0.80	0.66
12	0.58	21	0.79	0.66
13	0.63	23	0.79	0.66
14	0.56	20	0.76	0.66
15	0.57	21	0.74	0.65
16	0.62	23	0.73	0.66
17	0.81	29	0.73	0.65
18	0.50	18	0.78	0.65
19	0.88	32	0.82	0.66
20	0.70	25	0.82	0.66
21	0.72	26	0.81	0.65
22	0.77	28	0.80	0.66
23	0.68	25	0.75	0.66
24	0.71	26	0.72	0.66
25	0.69	25	0.73	0.66
26	0.60	22	0.73	0.66
27	0.76	27	0.72	0.65
28	0.73	27	0.71	0.66
Avg	0.69	25.07	0.76	0.66
Min	0.50	18.03	0.71	0.65
Max	0.88	32.18	0.82	0.66
Total	19.27	702.05		

Operating comments

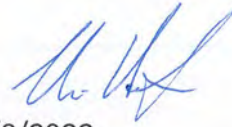
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: February, 2022

Reporting date: 3/8/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
2/1/2022	72,590	1.05	0.40	
2/2/2022	131,690	1.05	0.80	
2/3/2022	66,310	0.99	0.40	
2/4/2022	67,910	1.01	0.30	
2/5/2022	65,370	0.97	0.30	
2/6/2022	64,850	1.03	0.40	
2/7/2022	68,180	1.12	0.40	
2/8/2022	68,990	1.01	0.30	
2/9/2022	71,390	1.02	0.40	
2/10/2022	68,980	1.10	0.50	
2/11/2022	79,140	1.02	0.40	
2/12/2022	63,240	1.07	0.30	
2/13/2022	61,090	1.14	0.40	
2/14/2022	48,000	0.98	0.40	
2/15/2022	78,470	1.12	0.50	
2/16/2022	16,840	1.04	0.10	
2/17/2022	80,630	1.43	0.50	
2/18/2022	70,190	1.57	0.40	
2/19/2022	65,370	1.41	0.40	
2/20/2022	69,110	1.39	0.40	
2/21/2022	65,380	1.39	0.40	
2/22/2022	64,310	1.37	0.40	
2/23/2022	68,980	1.39	0.40	
2/24/2022	68,850	1.46	0.40	
2/25/2022	70,180	1.52	0.50	
2/26/2022	64,030	1.53	0.40	
2/27/2022	150	1.51	0.00	valve closed, no flow
2/28/2022	68,840	1.59	0.40	
Sum	1,849,060		10.90	
Average	66,038	1.22	0.39	
Max		1.59		

Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

April 5, 2022

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 March, 2022.

You should find the following documents:

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

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

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

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

Sincerely,

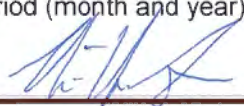
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name: Greater Augusta Utility District		Community water system	
PWSID#: 90080		List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #: Brian Tarbuck 2026 btarbuck@greataugustautilitydistrict.org			
Reporting period: March, 2022			
Signature: 		4/4/2022	

	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	0.85	7.28	1.09	0.77	7.81	1.26	3.0	10.1	100	2.0	9.0	
2	0.76	7.28	1.23	0.72	7.81	1.31	3.0	9.1		1.9	8.7	50
3	0.94	7.28	1.35	0.70	7.81	1.29	3.0	12.1		1.8	8.3	
4	0.57	7.28	1.31	0.78	7.81	1.26	2.0	7.0		2.0	8.9	
5	0.94	7.27	1.36	0.69	7.81	1.23	3.0	12.1		1.8	7.8	
6	0.64	7.27	1.33	0.74	7.80	1.24	2.0	8.0		2.0	8.3	
7	0.76	7.27	1.28	0.83	7.80	1.25	2.7	8.2		2.1	9.4	50
8	1.02	7.22	1.24	0.60	7.80	1.23	4.0	13.1	100	1.6	6.8	
9	0.73	7.20	1.21	0.64	7.80	1.21	2.0	8.0		1.6	7.3	50
10	1.02	7.21	1.20	0.77	7.79	1.21	4.0	12.1		2.0	8.6	
11	0.70	7.22	1.16	0.72	7.79	1.22	1.9	8.0		1.9	8.2	
12	0.80	7.22	1.16	0.57	7.79	1.21	3.0	9.0		1.5	6.4	
13	0.72	7.21	1.15	0.67	7.79	1.21	3.0	7.0		1.7	7.6	
14	0.78	7.22	1.11	0.74	7.79	1.21	2.0	9.0		1.9	8.4	
15	1.04	7.21	1.09	0.60	7.77	1.23	4.6	11.1		1.5	6.8	
16	0.71	7.20	1.08	0.67	7.79	1.20	2.0	8.0	100	1.7	7.7	50
17	0.99	7.20	1.11	0.61	7.79	1.21	4.0	11.1		1.6	7.0	
18	0.70	7.19	1.11	0.71	7.78	1.21	2.0	8.0		1.8	8.0	
19	0.99	7.19	1.12	0.58	7.78	1.19	4.0	11.1		1.6	6.7	
20	0.58	7.19	1.09	0.65	7.78	1.19	2.0	6.0		1.6	7.4	
21	0.93	7.22	1.11	0.65	7.79	1.20	4.0	10.1		1.7	7.5	50
22	0.95	7.28	1.15	0.76	7.79	1.15	3.0	10.1		1.9	8.6	
23	0.95	7.27	1.16	0.70	7.79	1.08	3.0	10.1		1.8	8.1	
24	0.60	7.27	1.13	0.71	7.79	1.08	2.0	6.0		1.9	8.1	50
25	0.95	7.26	1.16	0.65	7.78	1.08	3.0	10.0	100	1.6	7.4	
26	0.60	7.26	1.13	0.65	7.79	1.08	2.0	6.0		1.7	7.4	
27	0.94	7.26	1.16	0.63	7.78	1.07	4.0	10.1		1.6	7.2	
28	0.65	7.27	1.13	0.76	7.78	1.07	2.0	7.0		2.0	8.6	
29	1.07	7.20	1.11	0.29	7.70	1.02	4.0	12.1		0.7	3.7	
30	1.25	7.19	1.13	0.50	7.78	1.02	4.0	13.1		1.3	5.8	
31	0.92	7.71	1.11	0.66	7.78	1.07	4.0	10.1		1.7	7.6	
Summary	26.03	7.25	1.08	20.71	7.79	1.02	93	293	400	53	236	300
	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	146	gallons
Hypo Sodium hypochlorite	primary and secondary disinfection	12.50%	529	gallons
NaF Sodium fluoride	fluoridation		700	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:	0.84

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, 2022	
Signature 		April 4, 2022	

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	0.01	0.00	0.83	0.85	0.00	0.77	0.77	1.62
2	0.00	0.01	0.74	0.76	0.00	0.72	0.72	1.48
3	0.00	0.00	0.93	0.94	0.00	0.70	0.70	1.63
4	0.00	0.00	0.57	0.57	0.00	0.78	0.78	1.35
5	0.00	0.00	0.94	0.94	0.00	0.69	0.69	1.63
6	0.00	0.01	0.63	0.64	0.00	0.74	0.74	1.38
7	0.00	0.50	0.25	0.76	0.00	0.83	0.83	1.58
8	0.00	1.02	0.00	1.02	0.00	0.60	0.60	1.63
9	0.01	0.71	0.01	0.73	0.00	0.63	0.63	1.37
10	0.00	1.02	0.00	1.02	0.00	0.76	0.76	1.78
11	0.10	0.59	0.00	0.70	0.00	0.72	0.72	1.42
12	0.06	0.74	0.00	0.80	0.00	0.57	0.57	1.36
13	0.00	0.72	0.00	0.72	0.00	0.67	0.67	1.39
14	0.51	0.27	0.00	0.78	0.00	0.74	0.74	1.52
15	0.98	0.03	0.02	1.04	0.00	0.60	0.60	1.63
16	0.70	0.01	0.00	0.71	0.00	0.67	0.67	1.38
17	0.99	0.01	0.00	0.99	0.00	0.61	0.61	1.60
18	0.69	0.01	0.00	0.70	0.00	0.70	0.70	1.40
19	0.98	0.01	0.00	0.99	0.00	0.58	0.58	1.57
20	0.58	0.01	0.00	0.58	0.00	0.64	0.64	1.23
21	0.51	0.00	0.41	0.93	0.00	0.65	0.65	1.58
22	0.00	0.01	0.95	0.95	0.00	0.76	0.76	1.71
23	0.00	0.00	0.94	0.95	0.00	0.70	0.70	1.65
24	0.00	0.00	0.59	0.60	0.00	0.71	0.71	1.31
25	0.00	0.01	0.94	0.95	0.00	0.64	0.64	1.59
26	0.00	0.01	0.59	0.60	0.00	0.64	0.64	1.24
27	0.00	0.01	0.94	0.94	0.00	0.63	0.63	1.57
28	0.23	0.22	0.20	0.65	0.00	0.76	0.76	1.41
29	0.99	0.01	0.07	1.07	0.00	0.29	0.29	1.36
30	0.97	0.01	0.28	1.25	0.00	0.50	0.50	1.75
31	0.91	0.01	0.00	0.92	0.00	0.66	0.66	1.57
Sum	9.22	5.95	10.86	26.03	0.00	20.66	20.66	46.69

Percent Triangle 56%
Percent Riverside 44%

Average flow: 1.51

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, 2022	Notes: See notes below for specific operating conditions.	
Signature:	4/5/2022	Date	GAUD mg/L
		3/3/2022 11:15	0.66
		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	0.85	24	0.76	0.52
2	0.76	25	0.81	0.60
3	0.94	31	0.80	0.60
4	0.57	18	0.77	0.58
5	0.94	32	0.73	0.61
6	0.64	21	0.73	0.58
7	0.76	25	0.73	0.60
8	1.02	30	0.73	0.52
9	0.73	25	0.74	0.62
10	1.02	35	0.75	0.61
11	0.70	24	0.72	0.62
12	0.80	27	0.69	0.61
13	0.72	21	0.69	0.52
14	0.78	27	0.70	0.63
15	1.04	36	0.72	0.63
16	0.71	20	0.72	0.51
17	0.99	35	0.72	0.63
18	0.70	24	0.71	0.63
19	0.99	34	0.71	0.62
20	0.58	20	0.72	0.62
21	0.93	32	0.70	0.62
22	0.95	32	0.71	0.61
23	0.95	32	0.80	0.60
24	0.60	20	0.81	0.60
25	0.95	27	0.79	0.51
26	0.60	21	0.79	0.63
27	0.94	32	0.79	0.61
28	0.65	23	0.82	0.62
29	1.07	37	0.85	0.63
30	1.25	43	0.84	0.61
31	0.92	31	0.81	0.60
Avg	0.84	27.89	0.75	0.60
Min	0.57	18.43	0.69	0.51
Max	1.25	42.57	0.85	0.63
Total	26.03	864.57		

Operating comments

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:	March, 2022	Notes: See notes below for specific operating conditions.	
Signature:	4/5/2022	Date	GAUD mg/L
		3/3/2022 12:45	0.72
		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	0.77	28	0.79	0.66
2	0.72	26	0.80	0.65
3	0.70	25	0.75	0.65
4	0.78	28	0.81	0.66
5	0.69	25	0.86	0.66
6	0.74	27	0.85	0.65
7	0.83	30	0.75	0.65
8	0.60	22	0.77	0.66
9	0.64	23	0.80	0.65
10	0.77	28	0.80	0.65
11	0.72	26	0.82	0.65
12	0.57	21	0.82	0.66
13	0.67	24	0.81	0.65
14	0.74	27	0.81	0.65
15	0.60	22	0.83	0.65
16	0.67	23	0.82	0.62
17	0.61	22	0.83	0.65
18	0.71	26	0.82	0.65
19	0.58	21	0.83	0.66
20	0.65	24	0.82	0.66
21	0.65	24	0.82	0.66
22	0.76	28	0.82	0.65
23	0.70	26	0.82	0.66
24	0.71	26	0.84	0.65
25	0.65	24	0.83	0.66
26	0.65	23	0.82	0.65
27	0.63	23	0.82	0.66
28	0.76	28	0.83	0.66
29	0.29	10	0.77	0.66
30	0.50	18	0.75	0.65
31	0.66	24	0.75	0.65
Avg	0.67	24.25	0.81	0.65
Min	0.29	10.46	0.75	0.62
Max	0.83	30.08	0.86	0.66
Total	20.71	751.65		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: March, 2022

Reporting date: 4/5/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
3/1/2022	72,467	1.44	0.40	
3/2/2022	72,328	1.41	0.50	
3/3/2022	73,922	1.46	0.40	
3/4/2022	75,813	1.52	0.60	
3/5/2022	66,438	1.52	0.40	
3/6/2022	64,031	1.54	0.40	
3/7/2022	67,125	1.56	0.40	
3/8/2022	70,313	1.48	0.50	
3/9/2022	70,719	1.43	0.40	
3/10/2022	70,188	1.44	0.50	
3/11/2022	74,328	1.67	0.40	
3/12/2022	-	1.71	0.00	valve closed, no flow
3/13/2022	67,516	1.60	0.40	
3/14/2022	72,469	1.55	0.40	
3/15/2022	72,984	1.57	0.50	
3/16/2022	74,078	1.31	0.40	
3/17/2022	79,672	1.26	0.30	
3/18/2022	144,922	1.43	0.90	
3/19/2022	68,047	1.37	0.40	
3/20/2022	68,844	1.40	0.40	
3/21/2022	74,734	1.42	0.50	
3/22/2022	74,734	1.42	0.40	
3/23/2022	85,563	1.49	0.50	
3/24/2022	129,141	1.34	0.70	
3/25/2022	72,469	1.35	0.50	
3/26/2022	68,578	1.41	0.40	
3/27/2022	64,438	1.37	0.40	
3/28/2022	194,656	1.34	1.10	
3/29/2022	161,094	1.27	0.90	
3/30/2022	73,266	1.28	0.40	
3/31/2022	142,641	1.31	0.80	
Sum	2,567,514		15.20	
Average	82,823	1.44	0.49	
Max		1.71		

Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

May 10, 2022

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 April, 2022.

You should find the following documents:

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

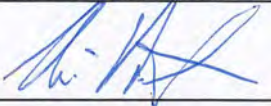
We have made the following modifications to our Coliform Sampling Site Plan due to COVID-19 access restrictions:

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

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

Sincerely,

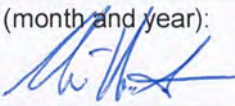
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026 btarbuck@greataugustautilitydistrict.org		
Reporting period:	April, 2022		
Signature:	 5/10/2022		

Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	0.51	7.89	1.08	0.66	7.79	1.07	1.8	6.0		1.7	7.7	
2	0.99	7.58	1.10	0.62	7.76	1.06	4.0	11.1		1.6	7.2	
3	0.68	7.76	1.09	0.63	7.75	1.04	1.6	7.0		1.6	7.3	
4	0.99	7.67	1.11	0.65	7.75	1.04	4.7	11.1	100	1.7	7.5	
5	0.67	7.70	1.08	0.67	7.76	1.04	2.0	7.0		1.7	7.6	
6	0.95	7.73	1.18	0.50	7.77	1.01	3.0	10.1		1.3	5.6	50
7	0.92	7.62	1.10	0.60	7.77	1.05	3.6	9.0		1.5	7.0	
8	0.96	7.84	1.08	0.69	7.77	1.08	3.0	10.1		1.8	8.3	
9	0.94	7.80	1.10	0.60	7.76	0.95	3.8	10.1		1.6	7.1	
10	0.72	7.77	1.09	0.67	7.77	1.08	2.9	8.0		1.7	8.0	
11	0.93	7.56	1.10	0.69	7.77	1.00	2.3	8.0		1.8	7.7	
12	0.94	7.56	1.10	0.73	7.76	0.94	3.0	10.1		1.9	7.8	50
13	0.94	7.52	1.10	0.58	7.76	0.90	4.0	10.1		1.5	5.8	
14	0.94	7.60	1.10	0.66	7.76	0.94	3.0	10.1	100	1.7	7.1	50
15	0.61	7.53	1.07	0.70	7.76	0.93	2.0	6.0		1.9	7.4	
16	0.96	7.49	1.10	0.54	7.76	0.84	4.0	10.1		1.4	5.9	
17	0.94	7.41	1.10	0.57	7.74	0.98	3.3	10.1		1.5	6.4	
18	0.94	7.37	1.10	0.56	7.75	0.88	3.0	10.1		1.5	6.2	
19	0.91	7.50	1.07	0.61	7.75	0.91	3.0	9.0		1.6	6.7	
20	0.61	7.39	1.05	0.67	7.75	1.03	2.0	7.0		1.8	8.8	
21	1.01	7.43	1.18	0.57	7.75	1.07	3.9	12.3		1.5	7.5	
22	0.74	7.43	1.21	0.59	7.75	1.06	2.0	8.0		1.6	7.6	
23	1.03	7.44	1.21	0.59	7.75	0.98	3.0	12.1		1.6	7.2	
24	0.26	7.45	1.14	0.70	7.75	1.00	1.3	3.0		1.9	8.7	
25	1.13	7.42	1.09	0.65	7.75	1.03	4.0	12.1		1.7	7.3	50
26	0.94	7.52	1.12	0.69	7.75	1.08	2.8	11.1		1.8	7.1	
27	0.77	7.44	1.12	0.63	7.74	1.04	2.4	9.0	100	1.7	6.4	
28	0.42	7.42	1.08	0.87	7.74	1.10	1.0	4.0		2.3	9.1	
29	0.99	7.44	1.12	0.69	7.73	1.08	2.3	5.0		1.8	7.2	
30	1.00	7.44	1.12	0.76	7.71	1.13	2.2	4.4		2.0	8.2	
Summary	25.34	7.56	1.05	19.31	7.75	0.84	85	261	300	50	219	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	135 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	481 gallons
NaF	Sodium fluoride	fluoridation		500 pounds

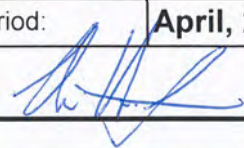
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.80

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, 2022			
Signature: 		May 10, 2022	

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	0.51	0.00	0.00	0.51	0.00	0.66	0.66	1.17
2	0.98	0.01	0.00	0.99	0.00	0.62	0.62	1.61
3	0.67	0.01	0.00	0.68	0.00	0.63	0.63	1.31
4	0.98	0.01	0.00	0.99	0.00	0.65	0.65	1.64
5	0.25	0.01	0.41	0.67	0.00	0.66	0.67	1.33
6	0.00	0.00	0.94	0.95	0.00	0.50	0.50	1.44
7	0.00	0.00	0.92	0.92	0.00	0.60	0.60	1.53
8	0.00	0.03	0.94	0.96	0.00	0.69	0.69	1.65
9	0.00	0.00	0.93	0.94	0.00	0.60	0.60	1.54
10	0.00	0.01	0.71	0.72	0.00	0.67	0.67	1.38
11	0.00	0.01	0.92	0.93	0.00	0.69	0.69	1.63
12	0.00	0.00	0.94	0.94	0.00	0.73	0.73	1.67
13	0.00	0.00	0.93	0.94	0.00	0.58	0.58	1.52
14	0.00	0.01	0.93	0.94	0.00	0.66	0.66	1.60
15	0.00	0.01	0.61	0.61	0.00	0.70	0.70	1.32
16	0.02	0.00	0.93	0.96	0.00	0.54	0.54	1.50
17	0.00	0.01	0.93	0.94	0.00	0.57	0.57	1.50
18	0.00	0.00	0.93	0.94	0.00	0.56	0.56	1.49
19	0.06	0.54	0.31	0.91	0.00	0.61	0.61	1.52
20	0.01	0.60	0.00	0.61	0.00	0.67	0.67	1.28
21	0.03	0.96	0.03	1.01	0.00	0.57	0.57	1.57
22	0.00	0.74	0.00	0.74	0.00	0.59	0.59	1.33
23	0.00	1.02	0.00	1.03	0.00	0.58	0.59	1.61
24	0.00	0.26	0.00	0.26	0.00	0.69	0.70	0.96
25	0.55	0.45	0.13	1.13	0.00	0.65	0.65	1.78
26	0.60	0.18	0.15	0.94	0.00	0.68	0.69	1.62
27	0.47	0.17	0.13	0.77	0.00	0.63	0.63	1.40
28	0.41	0.01	0.00	0.42	0.00	0.86	0.87	1.28
29	0.98	0.01	0.00	0.99	0.00	0.68	0.69	1.68
30	0.98	0.01	0.00	1.00	0.00	0.76	0.76	1.76
Sum	7.50	5.06	12.75	25.32	0.03	19.28	19.31	44.63

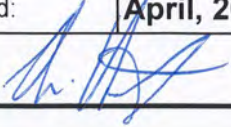
Percent Triangle 57%
Percent Riverside 43%

Average flow: 1.49

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:	April, 2022	Date	GAUD mg/L
Signature: 	5/10/2022	4/7/2022 9:30	0.67
		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	0.51	18	0.78	0.63
2	0.99	34	0.78	0.62
3	0.68	24	0.79	0.63
4	0.99	35	0.82	0.63
5	0.67	23	0.78	0.61
6	0.95	31	0.80	0.59
7	0.92	30	0.81	0.58
8	0.96	31	0.76	0.58
9	0.94	31	0.76	0.59
10	0.72	23	0.76	0.59
11	0.93	25	0.75	0.49
12	0.94	31	0.76	0.59
13	0.94	31	0.76	0.59
14	0.94	30	0.70	0.58
15	0.61	20	0.72	0.60
16	0.96	32	0.76	0.60
17	0.94	32	0.75	0.61
18	0.94	32	0.75	0.61
19	0.91	31	0.71	0.61
20	0.61	21	0.69	0.60
21	1.01	32	0.68	0.58
22	0.74	25	0.68	0.60
23	1.03	34	0.67	0.59
24	0.26	9	0.69	0.60
25	1.13	32	0.73	0.50
26	0.94	23	0.76	0.43
27	0.77	18	0.77	0.43
28	0.42	14	0.76	0.61
29	0.99	34	0.76	0.61
30	0.56	20	0.77	0.63
Avg	0.83	26.75	0.75	0.58
Min	0.26	8.70	0.67	0.43
Max	1.13	34.60	0.82	0.63
Total	24.88	802.40		

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:	<u>April, 2022</u>	Notes: See notes below for specific operating conditions.	
Signature: 	5/10/2022	Date	GAUD mg/L
		4/7/2022 13:08	0.82
		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	0.66	25	0.75	0.67
2	0.62	23	0.74	0.67
3	0.63	24	0.74	0.67
4	0.65	24	0.78	0.67
5	0.67	25	0.81	0.67
6	0.50	18	0.81	0.67
7	0.60	22	0.76	0.65
8	0.69	26	0.72	0.67
9	0.60	22	0.72	0.67
10	0.67	25	0.72	0.67
11	0.69	26	0.80	0.67
12	0.73	27	0.81	0.67
13	0.58	22	0.77	0.67
14	0.66	25	0.81	0.67
15	0.70	26	0.78	0.67
16	0.54	20	0.79	0.67
17	0.57	21	0.79	0.67
18	0.56	21	0.78	0.67
19	0.61	23	0.79	0.67
20	0.67	25	0.86	0.67
21	0.57	21	0.77	0.68
22	0.59	22	0.74	0.67
23	0.59	22	0.77	0.67
24	0.70	26	0.75	0.68
25	0.65	24	0.82	0.67
26	0.69	26	0.78	0.67
27	0.63	23	0.78	0.67
28	0.87	32	0.81	0.67
29	0.69	26	0.87	0.68
30	0.76	28	0.88	0.67
Avg	0.64	24.00	0.78	0.67
Min	0.50	18.38	0.72	0.65
Max	0.87	32.39	0.88	0.68
Total	19.31	719.92		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: April, 2022

Reporting date: 5/10/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
4/1/2022	77,146	1.26	0.40	
4/2/2022	68,850	1.27	0.50	
4/3/2022	70,320	1.22	0.40	
4/4/2022	74,860	1.16	0.30	
4/5/2022	143,860	1.24	0.80	
4/6/2022	75,000	1.12	0.40	
4/7/2022	76,870	1.10	0.40	
4/8/2022	76,470	1.01	0.40	
4/9/2022	68,050	1.20	0.30	
4/10/2022	67,640	1.03	0.40	
4/11/2022	100,400	1.12	0.50	
4/12/2022	135,430	1.23	0.70	
4/13/2022	85,170	1.12	0.40	
4/14/2022	77,000	1.13	0.50	
4/15/2022	138,640	1.09	0.70	
4/16/2022	68,720	1.08	0.40	
4/17/2022	67,780	1.11	0.30	
4/18/2022	73,650	1.10	0.40	
4/19/2022	71,390	1.14	0.30	
4/20/2022	124,210	1.11	0.60	
4/21/2022	68,040	1.04	0.40	
4/22/2022	73,540	1.08	0.40	
4/23/2022	66,700	1.12	0.30	
4/24/2022	65,910	1.12	0.40	
4/25/2022	72,200	1.12	0.30	
4/26/2022	71,650	1.10	0.40	
4/27/2022	73,800	1.13	0.40	
4/28/2022	134,750	1.10	0.70	
4/29/2022	70,600	1.21	0.40	
4/30/2022	64,290	1.24	0.30	
Sum	2,502,936		13.10	
Average	83,431	1.14	0.44	
Max		1.27		

Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

June 6, 2022

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 May, 2022.

You should find the following documents:

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

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

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

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

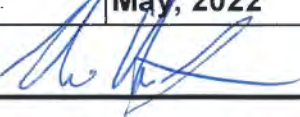
Sincerely,

Brian Tarbuck, PE, System Class IV 2026

Monthly 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:	May, 2022	Date	GAUD mg/L
Signature:	6/6/2022	5/12/2022 10:30	0.79
		Location	HETL mg/L
		Western Station	0.7

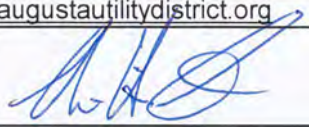
Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.72	25	0.77	0.62
2	0.68	23	0.75	0.60
3	0.95	31	0.71	0.59
4	0.72	24	0.75	0.59
5	0.95	32	0.73	0.61
6	0.60	20	0.73	0.59
7	0.94	32	0.73	0.60
8	0.56	18	0.73	0.59
9	0.86	29	0.75	0.60
10	1.04	34	0.78	0.60
11	1.03	35	0.70	0.61
12	0.73	24	0.64	0.60
13	1.33	35	0.74	0.48
14	1.09	35	0.77	0.57
15	0.93	24	0.78	0.46
16	1.50	26	0.80	0.31
17	1.19	30	0.75	0.45
18	2.09	39	0.76	0.34
19	1.58	36	0.72	0.41
20	1.49	25	0.70	0.30
21	1.36	35	0.69	0.47
22	0.84	27	0.67	0.59
23	0.95	32	0.67	0.60
24	0.99	34	0.69	0.61
25	0.99	27	0.67	0.48
26	1.10	34	0.76	0.56
27	1.00	34	0.77	0.61
28	0.99	34	0.80	0.61
29	0.83	28	0.81	0.61
30	0.99	34	0.80	0.61
31	1.07	29	0.81	0.49
Avg	1.04	29.77	0.74	0.54
Min	0.56	18.20	0.64	0.30
Max	2.09	39.30	0.81	0.62
Total	32.09	922.80		

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, 2022	Notes: See notes below for specific operating conditions.	
Signature: 	6/6/2022	Date	GAUD mg/L
		5/12/2022 11:10	0.85
		Location	HETL mg/L
		12 Williams Street	0.8

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.66	24	0.86	0.66
2	0.87	32	0.91	0.67
3	0.74	28	0.86	0.67
4	0.73	27	0.80	0.67
5	0.75	28	0.75	0.67
6	0.87	32	0.77	0.67
7	0.72	27	0.74	0.67
8	0.72	27	0.75	0.67
9	0.77	29	0.76	0.68
10	0.72	27	0.75	0.67
11	0.87	33	0.75	0.68
12	0.75	28	0.73	0.67
13	0.74	28	0.70	0.68
14	0.66	25	0.66	0.67
15	0.73	27	0.64	0.67
16	0.49	18	0.74	0.67
17	0.78	29	0.80	0.68
18	0.47	17	0.82	0.66
19	0.38	14	0.84	0.68
20	0.64	24	0.84	0.68
21	0.45	17	0.82	0.67
22	0.70	26	0.78	0.68
23	0.75	28	0.79	0.67
24	0.67	25	0.84	0.66
25	0.72	26	0.85	0.65
26	0.58	21	0.85	0.65
27	0.73	27	0.84	0.66
28	0.63	23	0.80	0.65
29	0.61	22	0.82	0.66
30	0.59	21	0.81	0.66
31	0.57	21	0.80	0.66
Avg	0.68	25.23	0.79	0.67
Min	0.38	14.27	0.64	0.65
Max	0.87	32.54	0.91	0.68
Total	21.04	782.13		

Operating comments

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, 2022		
Signature:	 6/3/2022		

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	0.72	24.70	0.77	0.66	7.71	0.96	2.5	4.4		1.7	6.2	
2	0.68	22.70	0.75	0.87	7.71	0.80	2.4	7.8		2.3	6.5	
3	0.95	31.40	0.71	0.74	7.72	0.96	3.3	10.7		2.0	6.7	
4	0.72	23.70	0.75	0.73	7.74	1.04	2.4	8.0	50	1.9	7.7	
5	0.95	32.00	0.73	0.75	7.72	1.15	3.3	10.7		2.0	8.2	50
6	0.60	19.70	0.73	0.87	7.72	1.15	2.1	6.7		2.3	9.5	50
7	0.94	31.50	0.73	0.72	7.73	1.14	3.3	10.5		1.9	7.9	
8	0.56	18.20	0.73	0.72	7.72	1.14	1.9	4.1		1.9	7.9	
9	0.86	28.80	0.75	0.77	7.72	1.13	3.0	8.0		2.0	8.3	
10	1.04	34.40	0.78	0.72	7.70	0.97	3.5	11.5		1.9	7.8	
11	1.03	34.70	0.70	0.87	7.69	1.03	3.6	11.3		2.3	9.3	
12	0.73	24.30	0.64	0.75	7.69	1.05	2.5	8.2		2.0	7.9	
13	1.33	35.30	0.74	0.74	7.69	1.02	4.5	16.1	50	1.9	7.8	
14	1.09	34.80	0.77	0.66	7.69	0.97	3.6	12.6		1.7	6.9	
15	0.93	23.60	0.78	0.73	7.69	1.08	3.1	11.1		1.9	8.5	
16	1.50	25.80	0.80	0.49	7.68	1.05	4.9	17.7		1.3	5.5	
17	1.19	29.90	0.75	0.78	7.68	1.05	4.0	13.6		2.1	8.9	
18	2.09	39.30	0.76	0.47	7.68	1.11	7.0	24.2		1.2	5.2	
19	1.58	36.10	0.72	0.38	7.67	1.12	5.1	17.7		1.0	4.3	
20	1.49	24.60	0.70	0.64	7.67	1.11	4.8	17.4		1.7	7.1	
21	1.36	35.20	0.69	0.45	7.67	0.94	4.4	15.3		1.2	4.7	
22	0.84	27.30	0.67	0.70	7.67	1.03	2.8	9.3		1.8	7.4	
23	0.95	31.90	0.67	0.75	7.67	1.05	3.3	10.8	100	2.0	8.1	50
24	0.99	33.70	0.69	0.67	7.67	1.05	3.6	11.1		1.8	7.2	
25	0.99	26.60	0.67	0.72	7.67	1.05	3.4	11.4		1.9	7.9	
26	1.10	34.00	0.76	0.58	7.66	0.99	3.9	12.7		1.6	6.3	
27	1.00	33.80	0.77	0.73	7.66	0.99	3.6	11.6		2.0	7.6	50
28	0.99	33.80	0.80	0.63	7.66	0.87	3.5	11.5		1.7	5.9	
29	0.83	27.90	0.81	0.61	7.66	0.92	2.9	9.6		1.7	6.2	
30	0.99	33.80	0.80	0.59	7.66	0.94	3.5	11.2		1.5	6.1	
31	1.07	29.30	0.81	0.57	7.66	0.98	3.7	11.9		1.5	5.8	
Summary	32.09	29.77	0.64	21.04	7.69	0.80	109	359	200	56	221	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	165	gallons
Hypo Sodium hypochlorite	primary and secondary disinfection	12.50%	580	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:	0.83

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, 2022	
Signature 		June 3, 2022	

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	0.71	0.01	0.00	0.72	0.00	0.66	0.66	1.38
2	0.28	0.01	0.39	0.68	0.00	0.86	0.87	1.55
3	0.00	0.01	0.94	0.95	0.00	0.74	0.74	1.69
4	0.00	0.01	0.71	0.72	0.00	0.73	0.73	1.45
5	0.00	0.01	0.94	0.95	0.00	0.75	0.75	1.70
6	0.00	0.01	0.59	0.60	0.00	0.86	0.87	1.47
7	0.00	0.00	0.94	0.94	0.00	0.72	0.72	1.66
8	0.00	0.01	0.55	0.56	0.00	0.72	0.72	1.28
9	0.00	0.58	0.28	0.86	0.00	0.77	0.77	1.63
10	0.00	1.04	0.00	1.04	0.00	0.72	0.72	1.76
11	0.00	1.03	0.00	1.03	0.00	0.86	0.87	1.90
12	0.00	0.73	0.00	0.73	0.00	0.75	0.75	1.48
13	0.32	1.00	0.01	1.33	0.00	0.74	0.74	2.07
14	0.05	1.04	0.00	1.09	0.00	0.66	0.66	1.75
15	0.17	0.67	0.09	0.93	0.00	0.73	0.73	1.66
16	0.46	0.67	0.37	1.50	0.00	0.49	0.49	1.99
17	0.23	0.36	0.60	1.19	0.00	0.78	0.78	1.97
18	0.92	0.98	0.19	2.09	0.00	0.47	0.47	2.56
19	0.36	1.02	0.20	1.58	0.00	0.38	0.38	1.96
20	0.55	0.61	0.33	1.49	0.00	0.64	0.64	2.13
21	0.21	1.03	0.12	1.36	0.00	0.45	0.45	1.81
22	0.00	0.84	0.00	0.84	0.00	0.70	0.70	1.54
23	0.63	0.32	0.00	0.95	0.00	0.75	0.75	1.70
24	0.99	0.00	0.00	0.99	0.00	0.67	0.67	1.66
25	0.72	0.01	0.26	0.99	0.00	0.72	0.72	1.71
26	0.99	0.01	0.10	1.10	0.00	0.58	0.58	1.68
27	0.99	0.01	0.00	1.00	0.00	0.73	0.73	1.73
28	0.98	0.01	0.00	0.99	0.00	0.63	0.63	1.62
29	0.83	0.00	0.00	0.83	0.00	0.61	0.61	1.44
30	0.98	0.01	0.00	0.99	0.00	0.59	0.59	1.58
31	0.30	0.29	0.48	1.07	0.00	0.57	0.57	1.64
Sum	11.67	12.33	8.09	32.09	0.04	21.00	21.04	53.13

Percent Triangle 60%
Percent Riverside 40%

Average flow: 1.71

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: May, 2022

Reporting date: 6/3/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
5/1/2022	-	1.09	0.00	valve closed, no flow
5/2/2022	101,829	1.07	0.60	
5/3/2022	61,136	1.17	0.43	
5/4/2022	54,129	1.21	0.29	
5/5/2022	60,674	1.19	0.37	
5/6/2022	72,416	1.21	0.86	
5/7/2022	54,167	1.37	0.45	
5/8/2022	47,276	1.37	0.41	
5/9/2022	53,782	1.37	0.48	
5/10/2022	60,828	1.29	0.55	
5/11/2022	60,905	1.11	0.55	
5/12/2022	98,826	1.24	0.81	
5/13/2022	61,059	1.42	0.57	
5/14/2022	41,424	1.31	0.33	
5/15/2022	47,084	1.21	0.39	
5/16/2022	59,557	1.28	0.46	
5/17/2022	40,462	1.28	0.36	
5/18/2022	94,822	1.36	0.78	
5/19/2022	54,475	1.36	0.39	
5/20/2022	54,013	1.51	0.39	
5/21/2022	14,013	1.56	0.11	
5/22/2022	60,789	1.43	0.53	
5/23/2022	48,585	1.42	0.43	
5/24/2022	67,449	1.43	0.54	
5/25/2022	141,752	1.50	1.22	
5/26/2022	94,745	1.40	0.77	
5/27/2022	54,398	1.32	0.47	
5/28/2022	47,161	1.31	0.41	
5/29/2022	47,238	1.29	0.39	
5/30/2022	47,276	1.22	0.41	
5/31/2022	47,084	1.21	0.42	
Sum	1,849,355		15.20	
Average	59,657	1.31	0.49	
Max		1.56		

Brian Tarbuck, General Manager
btarbuck@greataugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greataugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greataugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greataugustautilitydistrict.org

Kirsten Hebert
khebert@greataugustautilitydistrict.org



www.greataugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greataugustautilitydistrict.org

Pat Paradis
pparadis@greataugustautilitydistrict.org

Bradley Sawyer
bsawyer@greataugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greataugustautilitydistrict.org

Cary Colwell, Hallowell ex-officio member
ccolwell@greataugustautilitydistrict.org

July 8, 2022

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 June, 2022.

You should find the following documents:

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

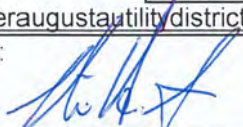
We have made the following modifications to our Coliform Sampling Site Plan due to COVID-19 access restrictions:

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

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

Sincerely,

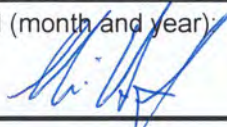
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026	Note we are waiting on 7 TG sample results from HETL. We took 28 samples but do not have results for 7 of the 28 yet. (2208358-02 through -07; and 2210229-01)	
	btarbuck@greataugustautilitydistrict.org		
Reporting period:	June, 2022		
Signature:	 7/7/2022		

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	1.19	7.44	1.12	0.51	7.65	0.99	3.9	12.6		1.3	5.6	
2	0.98	7.45	1.15	0.79	7.65	0.94	3.3	10.7	50	2.2	8.4	50
3	0.94	7.45	1.18	0.64	7.65	0.89	3.2	10.4		1.7	6.5	
4	0.94	7.44	0.96	0.61	7.65	0.85	3.2	8.4		1.7	6.0	
5	0.88	7.43	0.97	0.69	7.65	0.86	3.1	8.5		1.9	7.0	
6	0.95	7.44	1.14	0.58	7.65	1.05	3.3	10.3		1.6	7.2	50
7	0.99	7.43	1.12	0.87	7.65	1.22	3.5	10.9		2.3	11.1	
8	1.04	7.41	1.13	0.71	7.63	1.11	3.7	12.0		1.9	8.3	
9	0.85	7.41	1.11	0.66	7.74	1.06	2.9	9.1		1.7	7.5	
10	1.05	7.41	1.10	0.67	7.74	1.06	3.7	11.1		1.8	7.7	
11	1.04	7.41	1.08	0.63	7.73	1.05	3.6	11.0		1.7	7.2	
12	0.74	7.41	0.80	0.77	7.72	1.04	2.6	5.3		2.1	8.8	
13	0.94	7.43	0.82	0.70	7.72	1.13	3.3	8.2		1.9	8.2	
14	1.00	7.40	1.24	0.71	7.71	1.21	3.6	11.8		1.9	8.3	50
15	1.00	7.39	1.28	0.71	7.71	1.19	3.6	11.9		1.9	8.3	
16	1.21	7.40	1.26	0.61	7.71	1.18	4.5	14.4	100	1.6	7.2	50
17	0.99	7.38	1.20	0.76	7.70	1.17	3.6	11.9		2.0	8.8	
18	0.97	7.36	1.19	0.70	7.70	1.16	3.5	11.5		1.9	8.3	
19	0.97	7.36	1.18	0.68	7.69	1.15	3.5	11.4		1.8	7.9	
20	0.93	7.36	1.11	0.57	7.69	1.13	3.1	10.2		1.6	6.5	
21	0.95	7.38	1.18	0.72	7.71	1.13	3.2	10.9		2.0	8.3	
22	0.96	7.44	1.22	0.81	7.70	1.11	3.2	10.3		2.2	9.4	
23	1.27	7.60	1.14	0.66	7.68	1.10	3.3	13.4		1.8	7.6	
24	1.23	7.81	1.20	0.69	7.68	1.10	2.2	13.5	100	1.8	7.9	50
25	0.98	7.80	1.08	0.64	7.69	1.07	3.1	10.8		1.7	7.2	
26	1.21	7.83	1.03	0.86	7.69	1.06	3.8	12.9		2.3	9.8	
27	0.98	7.83	1.05	0.68	7.67	1.02	3.1	10.7		1.8	7.4	
28	1.04	7.73	1.10	0.76	7.66	1.01	3.4	11.3		2.0	8.3	
29	1.46	7.66	1.12	0.64	7.67	1.02	4.9	15.6		1.7	7.0	50
30	1.28	7.68	1.13	0.60	7.69	0.99	4.3	13.7		1.6	6.4	
Summary	30.96	7.50	0.80	20.63	7.69	0.85	103	335	250	56	234	300
	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	159 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	569 gallons
NaF	Sodium fluoride	fluoridation		550 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:	0.82

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):		June, 2022	
Signature 		July 7, 2022	

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	0.26	0.93	1.19	0.00	0.51	0.51	1.70
2	0.01	0.02	0.95	0.98	0.00	0.79	0.79	1.77
3	0.00	0.00	0.94	0.94	0.00	0.64	0.64	1.58
4	0.00	0.00	0.94	0.94	0.00	0.61	0.61	1.55
5	0.01	0.00	0.87	0.88	0.00	0.69	0.69	1.57
6	0.00	0.00	0.95	0.95	0.00	0.58	0.58	1.53
7	0.00	0.75	0.24	0.99	0.00	0.86	0.86	1.85
8	0.00	1.04	0.00	1.04	0.00	0.71	0.71	1.75
9	0.00	0.85	0.00	0.85	0.00	0.66	0.66	1.51
10	0.00	1.05	0.00	1.05	0.00	0.67	0.67	1.72
11	0.00	1.04	0.00	1.04	0.00	0.63	0.63	1.67
12	0.00	0.74	0.00	0.74	0.00	0.77	0.77	1.51
13	0.42	0.52	0.00	0.94	0.00	0.70	0.70	1.64
14	0.99	0.01	0.00	1.00	0.00	0.71	0.71	1.71
15	0.99	0.01	0.00	1.00	0.00	0.71	0.71	1.71
16	0.96	0.00	0.25	1.21	0.00	0.61	0.61	1.82
17	0.98	0.01	0.00	0.99	0.00	0.76	0.76	1.75
18	0.97	0.00	0.00	0.97	0.00	0.70	0.70	1.67
19	0.97	0.00	0.00	0.97	0.00	0.67	0.67	1.64
20	0.66	0.00	0.27	0.93	0.00	0.57	0.57	1.50
21	0.56	0.00	0.39	0.95	0.00	0.72	0.72	1.67
22	0.00	0.01	0.95	0.96	0.00	0.81	0.81	1.77
23	0.13	0.36	0.78	1.27	0.00	0.66	0.66	1.93
24	0.27	0.30	0.66	1.23	0.00	0.68	0.68	1.91
25	0.00	0.04	0.94	0.98	0.00	0.64	0.64	1.62
26	0.00	0.28	0.93	1.21	0.00	0.86	0.86	2.07
27	0.00	0.04	0.94	0.98	0.00	0.68	0.68	1.66
28	0.00	0.10	0.94	1.04	0.00	0.76	0.76	1.80
29	0.00	0.55	0.91	1.46	0.00	0.64	0.64	2.10
30	0.02	0.34	0.92	1.28	0.00	0.59	0.59	1.87
Sum	7.94	8.32	14.70	30.96	0.03	20.60	20.60	51.56

Percent Triangle 60%
Percent Riverside 40%

Average flow: 1.72

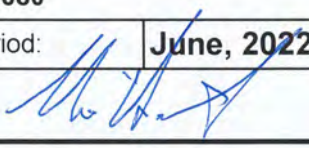
Monthly Fluoride Report

System Type - Fluoride Systems

System Name: Greater Augusta
Utility District

PWSID#: 90080

Reporting period: June, 2022

Signature: 

7/8/2022

System Information

Treatment plant: Triangle Station

Chemical Used: Sodium fluoride

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
6/16/2022 12:00	0.94	Western Station	

Fluoride

Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.19	33	0.77	0.50
2	0.98	32	0.76	0.59
3	0.94	31	0.74	0.60
4	0.94	31	0.71	0.58
5	0.88	30	0.70	0.60
6	0.95	32	0.75	0.60
7	0.99	33	0.87	0.60
8	1.04	35	0.82	0.60
9	0.85	28	0.77	0.59
10	1.05	35	0.66	0.61
11	1.04	35	0.61	0.61
12	0.74	26	0.60	0.63
13	0.94	34	0.68	0.64
14	1.00	37	0.81	0.66
15	1.00	36	0.80	0.65
16	1.21	37	0.81	0.55
17	0.99	36	0.80	0.66
18	0.97	36	0.83	0.66
19	0.97	36	0.83	0.66
20	0.93	26	0.79	0.50
21	0.95	33	0.76	0.63
22	0.96	32	0.74	0.60
23	1.27	33	0.76	0.47
24	1.23	34	0.76	0.50
25	0.98	32	0.84	0.59
26	1.21	34	0.85	0.50
27	0.98	32	0.80	0.59
28	1.04	33	0.76	0.57
29	1.46	36	0.77	0.44
30	1.28	34	0.68	0.48
Avg	1.03	32.99	0.76	0.58
Min	0.74	25.70	0.60	0.44
Max	1.46	36.80	0.87	0.66
Total	30.96	989.80		

Operating comments

Second F- sample collected on 6/30

No results from HETL from 6/16 or 6/30

HETL number:

2208621-01 on 6/16 and 6/30 - same # no idea why...

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:	June, 2022	Notes: See notes below for specific operating conditions.	
Signature:	7/8/2022	Date	GAUD mg/L
		6/16/2022 13:30	0.69
		Location	HETL mg/L
		12 Williams Street	

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units	Mgals	gallons	mg/L	mg/L
1	0.51	19	0.77	0.65
2	0.79	29	0.73	0.66
3	0.64	23	0.80	0.65
4	0.61	23	0.84	0.67
5	0.69	25	0.83	0.66
6	0.58	21	0.74	0.67
7	0.87	32	0.74	0.66
8	0.71	26	0.76	0.65
9	0.66	24	0.76	0.65
10	0.67	24	0.73	0.66
11	0.63	23	0.68	0.66
12	0.77	28	0.66	0.65
13	0.70	26	0.79	0.66
14	0.71	26	0.88	0.66
15	0.71	26	0.85	0.66
16	0.61	22	0.82	0.65
17	0.76	27	0.76	0.65
18	0.70	26	0.77	0.66
19	0.68	25	0.80	0.66
20	0.57	21	0.83	0.67
21	0.72	27	0.81	0.67
22	0.81	30	0.81	0.66
23	0.66	24	0.83	0.66
24	0.69	25	0.86	0.66
25	0.64	24	0.87	0.67
26	0.86	32	0.86	0.66
27	0.68	25	0.87	0.66
28	0.76	28	0.81	0.66
29	0.64	23	0.81	0.66
30	0.60	22	0.77	0.66
Avg	0.69	25.22	0.80	0.66
Min	0.51	18.68	0.66	0.65
Max	0.87	31.82	0.88	0.67
Total	20.63	756.57		

Operating comments

Second F- sample collected on 6/30
No results from HETL from 6/16 or 6/30

HETL number:
2208622-01 on 6/16 and 6/30 - same # no
idea why...

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: June, 2022

Reporting date: 7/8/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
6/1/2022	60,828	1.20	0.52	
6/2/2022	94,745	1.15	0.79	
6/3/2022	54,360	1.22	0.46	
6/4/2022	46,968	1.22	0.42	
6/5/2022	46,237	1.16	0.37	
6/6/2022	88,739	1.15	0.79	
6/7/2022	67,526	1.08	0.57	
6/8/2022	108,181	1.15	0.91	
6/9/2022	47,161	1.27	0.39	
6/10/2022	101,598	1.24	0.84	
6/11/2022	48,431	1.19	0.45	
6/12/2022	54,206	1.17	0.45	
6/13/2022	98,518	1.15	0.84	
6/14/2022	60,905	1.13	0.50	
6/15/2022	116,497	1.15	1.39	
6/16/2022	53,859	1.21	0.44	
6/17/2022	101,983	1.20	0.85	
6/18/2022	53,782	1.16	0.41	
6/19/2022	94,437	1.17	0.74	
6/20/2022	54,783	1.16	0.49	
6/21/2022	54,052	1.17	0.46	
6/22/2022	129,240	1.12	1.21	
6/23/2022	47,353	1.09	0.41	
6/24/2022	101,405	1.13	0.87	
6/25/2022	101,559	1.10	0.81	
6/26/2022	47,315	1.15	0.43	
6/27/2022	107,796	1.18	0.95	
6/28/2022	108,027	1.19	0.90	
6/29/2022	108,104	1.20	0.90	
6/30/2022	114,610	1.22	0.87	
Sum	2,373,205		20.45	
Average	79,107	1.17	0.68	
Max		1.27		

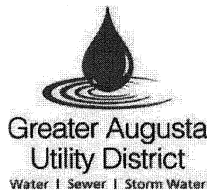
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

August 2, 2022

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 July, 2022.

You should find the following documents:

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

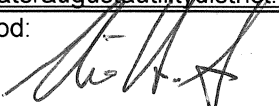
We have made the following modifications to our Coliform Sampling Site Plan due to COVID-19 access restrictions:

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

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

Sincerely,

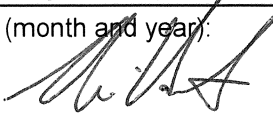

Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026 btarbuck@greataugustautilitydistrict.org	We collected and submitted 28 bacteria samples in July. However HETL takes between 6 to 11 days to provide us w/ results so I don't have the last 7 results yet (sample number 2210406).	
Reporting period:	July, 2022		
Signature:	 8/2/2022		

	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	1.38	7.76	1.12	0.49	7.70	0.97	4.2	15.1	100	1.3	5.3	
2	1.44	7.78	1.15	0.53	7.67	0.96	2.0	15.6		1.4	5.8	
3	1.08	7.48	1.37	0.61	7.64	0.96	-	11.4		1.7	6.7	
4	1.20	7.48	1.37	0.44	7.65	0.94	-	13.0		1.2	4.8	
5	1.45	7.46	1.10	0.41	7.67	0.96	3.2	16.1		1.1	4.4	
6	1.30	7.47	1.03	0.57	7.67	1.07	3.8	15.3		1.6	6.9	
7	1.36	7.44	1.12	0.51	7.66	1.05	4.0	16.3		1.5	6.5	
8	1.42	7.44	1.17	0.42	7.67	1.08	4.3	17.0	50	1.1	5.3	50
9	1.32	7.44	1.20	0.35	7.64	1.09	4.2	15.6		1.0	4.5	
10	1.13	7.41	1.24	0.56	7.64	1.10	3.7	13.3		1.4	7.3	
11	1.67	7.42	1.13	0.45	7.66	1.05	5.1	19.2		1.2	5.3	
12	1.48	7.42	1.13	0.51	7.66	1.03	4.9	17.0		1.4	5.9	
13	1.30	7.42	1.03	0.51	7.66	0.99	4.2	13.3		1.4	5.9	
14	1.81	7.42	1.22	0.32	7.68	1.03	5.9	21.1		0.9	3.7	
15	1.24	7.41	1.27	0.60	7.70	1.03	3.9	14.2	100	1.6	6.9	50
16	1.26	7.41	1.29	0.50	7.73	1.02	4.1	14.2		1.4	5.8	
17	1.36	7.42	1.25	0.50	7.74	1.00	4.3	15.6		1.3	5.5	
18	1.74	7.40	1.27	0.33	7.71	0.99	5.3	19.8		0.9	3.7	
19	1.10	7.41	1.16	0.51	7.72	0.98	3.2	11.0		1.4	5.9	
20	1.41	7.40	1.19	0.35	7.72	0.96	3.8	14.8		1.0	3.9	
21	1.83	7.40	1.08	0.55	7.71	0.96	5.3	17.5		1.5	6.3	
22	1.53	7.40	1.25	0.46	7.71	1.01	4.9	17.0		1.3	5.9	
23	1.53	7.40	1.24	0.39	7.71	1.08	5.1	17.1		1.1	5.1	
24	1.23	7.39	1.20	0.65	7.68	1.10	4.0	13.7		1.7	8.6	
25	1.44	7.39	1.21	0.39	7.74	1.09	4.6	16.7		1.0	5.2	50
26	1.49	7.39	1.20	0.51	7.70	1.08	4.8	16.4	100	1.3	6.9	
27	1.40	7.39	1.20	0.55	7.72	1.08	4.5	15.4		1.5	7.4	
28	1.30	7.39	1.17	0.58	7.73	1.07	4.2	14.3		1.6	7.7	
29	1.36	7.38	1.17	0.43	7.72	1.21	4.4	15.0		1.1	5.7	
30	1.39	7.38	1.18	0.38	7.70	1.32	4.5	15.1		1.0	5.1	
31	1.14	7.39	1.18	0.62	7.72	1.33	3.8	12.4		1.7	8.6	
Summary	43.09	7.44	1.03	14.99	7.69	0.94	124	480	350	40	183	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	164	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	662	gallons
NaF	Sodium fluoride	fluoridation		500	pounds

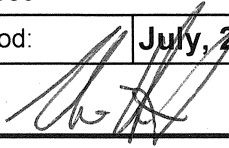
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.80

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):		July, 2022	
Signature 		August 2, 2022	

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	0.15	0.33	0.90	1.38	0.00	0.49	0.49	1.87
2	0.18	0.36	0.90	1.44	0.00	0.53	0.53	1.97
3	0.02	0.13	0.93	1.08	0.00	0.61	0.61	1.69
4	0.49	0.00	0.71	1.20	0.00	0.44	0.44	1.64
5	0.63	0.67	0.15	1.45	0.00	0.41	0.41	1.86
6	0.44	0.86	0.00	1.30	0.00	0.57	0.57	1.87
7	0.61	0.75	0.00	1.36	0.00	0.51	0.51	1.87
8	0.64	0.78	0.00	1.42	0.00	0.42	0.42	1.84
9	0.65	0.67	0.00	1.32	0.00	0.35	0.35	1.67
10	0.76	0.01	0.36	1.13	0.00	0.56	0.56	1.69
11	0.81	0.01	0.85	1.67	0.00	0.45	0.45	2.12
12	0.56	0.01	0.91	1.48	0.00	0.51	0.51	1.99
13	0.62	0.01	0.67	1.30	0.00	0.51	0.51	1.81
14	0.92	0.01	0.88	1.81	0.00	0.32	0.32	2.13
15	0.58	0.01	0.65	1.24	0.00	0.60	0.60	1.84
16	0.34	0.01	0.91	1.26	0.00	0.50	0.50	1.76
17	0.64	0.01	0.71	1.36	0.00	0.50	0.50	1.86
18	0.86	0.01	0.87	1.74	0.00	0.33	0.33	2.07
19	0.50	0.00	0.60	1.10	0.00	0.51	0.51	1.61
20	0.68	0.07	0.66	1.41	0.00	0.35	0.35	1.76
21	0.93	0.01	0.89	1.83	0.00	0.55	0.55	2.38
22	0.63	0.01	0.89	1.53	0.00	0.46	0.46	1.99
23	0.62	0.01	0.90	1.53	0.00	0.39	0.39	1.92
24	0.57	0.01	0.65	1.23	0.00	0.65	0.65	1.88
25	0.68	0.00	0.76	1.44	0.00	0.39	0.39	1.83
26	0.60	0.00	0.89	1.49	0.00	0.51	0.51	2.00
27	0.58	0.01	0.81	1.40	0.00	0.55	0.55	1.95
28	0.62	0.01	0.67	1.30	0.00	0.58	0.58	1.88
29	0.65	0.01	0.70	1.36	0.00	0.43	0.43	1.79
30	0.49	0.00	0.90	1.39	0.00	0.38	0.38	1.77
31	0.22	0.00	0.92	1.14	0.00	0.62	0.62	1.76
Sum	17.67	4.78	20.64	43.09	0.00	14.99	14.99	58.08

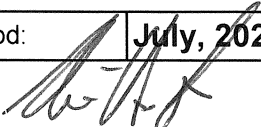
Percent Triangle 74%
Percent Riverside 26%

Average flow: 1.87

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, 2022			
Signature: 			
8/2/2022		Date	GAUD mg/L
		7/21/2022 11:45	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	1.38	35	0.70	0.45
2	1.44	35	0.78	0.43
3	1.08	32	0.80	0.54
4	1.20	29	0.80	0.43
5	1.45	31	0.81	0.38
6	1.30	32	0.80	0.44
7	1.36	29	0.80	0.38
8	1.42	30	0.78	0.39
9	1.32	30	0.80	0.41
10	1.13	32	0.83	0.50
11	1.67	37	0.76	0.40
12	1.48	37	0.67	0.44
13	1.30	29	0.63	0.40
14	1.81	39	0.66	0.39
15	1.24	28	0.67	0.40
16	1.26	36	0.66	0.51
17	1.36	31	0.65	0.41
18	1.74	38	0.66	0.40
19	1.10	25	0.65	0.41
20	1.41	29	0.69	0.38
21	1.83	39	0.70	0.39
22	1.53	38	0.72	0.44
23	1.53	38	0.70	0.44
24	1.23	28	0.67	0.41
25	1.44	33	0.69	0.42
26	1.49	37	0.70	0.45
27	1.40	34	0.73	0.44
28	1.30	30	0.70	0.41
29	1.36	31	0.68	0.41
30	1.39	37	0.69	0.47
31	1.14	35	0.68	0.55
Avg	1.39	32.96	0.72	0.43
Min	1.08	25.30	0.63	0.38
Max	1.83	39.30	0.83	0.55
Total	43.09	1,021.70		

Operating comments

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, 2022	Notes: See notes below for specific operating conditions.			
Signature:		Date	GAUD mg/L	Location	HETL mg/L
	8/2/2022	7/21/2022 12:15	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	0.49	18	0.74	0.66
2	0.53	20	0.71	0.66
3	0.61	23	0.71	0.66
4	0.44	16	0.73	0.67
5	0.41	15	0.73	0.67
6	0.57	21	0.71	0.67
7	0.51	19	0.71	0.67
8	0.42	15	0.77	0.66
9	0.35	13	0.82	0.66
10	0.56	20	0.87	0.65
11	0.45	16	0.86	0.65
12	0.51	19	0.83	0.66
13	0.51	19	0.82	0.66
14	0.32	12	0.81	0.66
15	0.60	22	0.84	0.66
16	0.50	18	0.84	0.67
17	0.50	18	0.83	0.65
18	0.33	12	0.82	0.66
19	0.51	19	0.81	0.65
20	0.35	13	0.80	0.65
21	0.55	20	0.79	0.65
22	0.46	17	0.79	0.65
23	0.39	14	0.78	0.64
24	0.65	23	0.80	0.65
25	0.39	14	0.77	0.64
26	0.51	19	0.74	0.65
27	0.55	20	0.69	0.65
28	0.58	21	0.71	0.65
29	0.43	16	0.76	0.65
30	0.38	14	0.76	0.65
31	0.62	23	0.77	0.65
Avg	0.48	17.63	0.78	0.66
Min	0.32	11.64	0.69	0.64
Max	0.65	23.30	0.87	0.67
Total	14.99	546.50		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: July, 2022

Reporting date: 8/2/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
7/1/2022	141,790	1.26	1.19	
7/2/2022	81,347	1.17	0.64	
7/3/2022	108,219	1.27	0.90	
7/4/2022	114,841	1.19	0.83	
7/5/2022	114,803	1.14	0.92	
7/6/2022	128,970	1.22	1.33	
7/7/2022	129,355	1.21	1.20	
7/8/2022	119,461	1.23	1.06	
7/9/2022	101,444	1.22	0.84	
7/10/2022	60,828	1.12	0.45	
7/11/2022	162,002	1.16	1.35	
7/12/2022	121,886	1.25	1.07	
7/13/2022	135,284	1.28	1.20	
7/14/2022	122,348	1.19	1.25	
7/15/2022	122,156	1.22	1.13	
7/16/2022	156,035	1.21	1.46	
7/17/2022	121,347	1.20	1.11	
7/18/2022	169,240	1.20	1.43	
7/19/2022	82,194	1.55	1.17	
7/20/2022	162,887	1.95	2.82	
7/21/2022	146,218	1.97	2.53	
7/22/2022	140,058	1.97	2.32	
7/23/2022	87,392	1.86	1.42	
7/24/2022	114,687	1.92	1.89	
7/25/2022	163,311	1.91	2.87	
7/26/2022	108,720	1.84	1.84	
7/27/2022	135,245	2.12	2.85	
7/28/2022	121,617	2.50	3.03	
7/29/2022	121,578	2.54	3.01	
7/30/2022	95,399	2.42	2.37	
7/31/2022	68,412	2.45	1.71	
Sum	3,759,076		49.20	
Average	121,261	1.57	1.59	
Max		2.54		

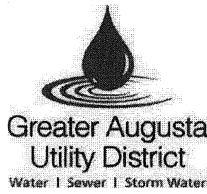
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

September 2, 2022

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 August, 2022.

You should find the following documents:

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

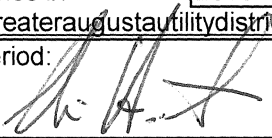
We have made the following modifications to our Coliform Sampling Site Plan due to COVID-19 access restrictions:

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

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

Sincerely,

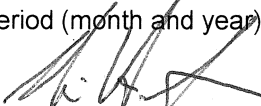
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period:	August, 2022		
Signature:		9/2/2022	

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	1.51	7.39	1.16	0.58	7.72	1.24	5.1	16.5		1.5	7.9	
2	1.58	7.39	1.12	0.07	7.71	1.15	5.2	17.1		0.2	0.8	
3	2.14	7.39	1.11	0.34	7.68	1.06	6.8	23.1	100	0.9	4.1	
4	1.28	7.35	1.16	0.41	7.72	1.00	4.0	13.5	100	1.1	4.9	
5	1.82	7.35	1.25	0.44	7.71	1.16	5.7	19.5		1.2	5.3	
6	1.39	7.34	1.24	0.56	7.70	1.22	4.2	15.0		1.6	6.7	
7	1.17	7.34	1.22	0.62	7.71	1.22	4.0	12.9		1.7	7.4	
8	0.95	7.33	1.17	0.57	7.68	1.20	3.2	10.4		1.5	6.8	50
9	1.41	7.34	1.21	0.51	7.68	1.13	4.7	15.0		1.4	6.1	
10	1.79	7.33	1.20	0.49	7.69	1.09	5.7	18.6	50	1.4	5.8	
11	1.18	7.33	1.16	0.58	7.71	1.07	4.1	12.4		1.6	6.9	
12	1.41	7.33	1.17	0.47	7.71	1.08	4.7	14.8	100	1.3	5.7	50
13	1.08	7.31	1.15	0.55	7.70	1.07	3.9	11.4		1.5	6.6	
14	1.14	7.30	1.15	0.70	7.71	1.07	3.7	12.1		1.9	8.5	
15	1.35	7.38	1.09	0.54	7.71	1.05	4.0	14.7		1.5	6.5	
16	1.24	7.39	1.18	0.60	7.70	1.04	3.5	13.9		1.6	7.2	
17	1.18	7.39	1.16	0.67	7.70	1.04	3.5	13.2		1.8	7.9	
18	1.06	7.37	1.16	0.58	7.66	1.01	3.3	11.7	50	1.6	6.4	
19	1.18	7.38	1.14	0.63	7.71	1.02	3.5	13.0		1.7	7.2	
20	0.86	7.39	1.12	0.60	7.72	1.01	2.6	9.5		1.6	6.9	
21	0.94	7.38	1.14	0.82	7.72	1.01	2.8	10.2		2.2	9.5	
22	1.00	7.41	1.09	0.83	7.72	1.01	3.2	11.4		2.3	9.6	
23	1.03	7.40	1.16	0.73	7.72	1.00	3.2	12.3		2.0	8.4	50
24	1.16	7.41	1.17	0.69	7.71	0.99	3.7	14.0		1.9	8.0	
25	1.03	7.42	1.16	0.78	7.71	0.98	3.2	12.3		2.1	9.0	50
26	1.03	7.42	1.16	0.79	7.70	0.98	3.4	12.3		2.2	9.2	50
27	1.02	7.42	1.16	0.60	7.72	0.97	3.5	12.3		1.6	7.0	
28	1.02	7.42	1.18	0.74	7.73	0.97	3.7	12.5		2.0	8.5	
29	1.02	7.42	1.16	0.66	7.74	0.96	3.5	12.4	50	1.8	7.6	
30	0.98	7.37	1.20	0.71	7.71	0.94	3.6	12.4	100	1.9	8.2	
31	0.98	7.32	1.22	0.77	7.71	1.02	3.5	12.3		2.1	9.6	
Summary	37.93	7.37	1.09	18.61	7.71	0.94	123	423	550	51	220	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	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	173	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	643	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:	0.74

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, 2022	
Signature 		September 2, 2022	

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	0.62	0.00	0.89	1.51	0.00	0.58	0.58	2.09
2	0.70	0.22	0.66	1.58	0.00	0.06	0.07	1.65
3	0.91	0.41	0.82	2.14	0.00	0.34	0.34	2.48
4	0.75	0.16	0.37	1.28	0.00	0.41	0.41	1.69
5	0.93	0.22	0.67	1.82	0.00	0.44	0.44	2.26
6	0.95	0.01	0.43	1.39	0.00	0.56	0.56	1.95
7	0.95	0.00	0.22	1.17	0.00	0.62	0.62	1.79
8	0.73	0.11	0.11	0.95	0.00	0.57	0.57	1.52
9	0.72	0.00	0.69	1.41	0.00	0.50	0.51	1.92
10	0.91	0.01	0.87	1.79	0.00	0.49	0.49	2.28
11	0.95	0.01	0.22	1.18	0.00	0.58	0.58	1.76
12	0.93	0.01	0.47	1.41	0.00	0.47	0.47	1.88
13	0.95	0.01	0.12	1.08	0.00	0.55	0.55	1.63
14	0.91	0.00	0.23	1.14	0.00	0.70	0.70	1.84
15	0.13	0.59	0.63	1.35	0.00	0.54	0.54	1.89
16	0.00	0.33	0.91	1.24	0.00	0.59	0.60	1.84
17	0.00	0.27	0.91	1.18	0.00	0.67	0.67	1.85
18	0.00	0.14	0.92	1.06	0.00	0.58	0.58	1.64
19	0.00	0.27	0.91	1.18	0.00	0.63	0.63	1.81
20	0.00	0.21	0.65	0.86	0.00	0.59	0.60	1.46
21	0.00	0.01	0.93	0.94	0.00	0.82	0.82	1.76
22	0.00	0.73	0.27	1.00	0.00	0.83	0.83	1.83
23	0.00	1.03	0.00	1.03	0.00	0.73	0.73	1.76
24	0.14	1.02	0.00	1.16	0.00	0.69	0.69	1.85
25	0.00	1.03	0.00	1.03	0.00	0.77	0.78	1.81
26	0.00	1.03	0.00	1.03	0.00	0.79	0.79	1.82
27	0.00	1.02	0.00	1.02	0.00	0.60	0.60	1.62
28	0.00	1.02	0.00	1.02	0.00	0.74	0.74	1.76
29	0.19	0.83	0.00	1.02	0.00	0.66	0.66	1.68
30	0.69	0.29	0.00	0.98	0.00	0.71	0.71	1.69
31	0.97	0.01	0.00	0.98	0.00	0.76	0.77	1.75
Sum	14.03	11.00	12.90	37.93	0.03	18.58	18.61	56.54

Percent Triangle 67%
Percent Riverside 33%

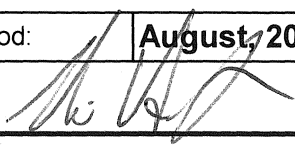
Average flow: 1.82

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

System Name: **Greater Augusta
Utility District**

PWSID#: **90080**

Reporting period: **August 2022**

Signature:  9/2/2022

System Information

Treatment plant: **Triangle Station**

Chemical Used: **Sodium fluoride**

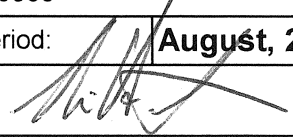
Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
8/4/2022 9:20	0.66	Western Station	0.7

Fluoride

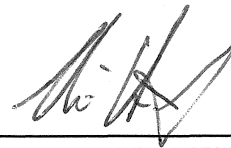
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.51	38	0.67	0.45
2	1.58	32	0.66	0.36
3	2.14	39	0.70	0.33
4	1.28	31	0.66	0.44
5	1.82	39	0.74	0.39
6	1.39	39	0.80	0.51
7	1.17	39	0.79	0.59
8	0.95	30	0.82	0.57
9	1.41	31	0.85	0.40
10	1.79	39	0.85	0.40
11	1.18	37	0.85	0.57
12	1.41	38	0.86	0.49
13	1.08	37	0.88	0.61
14	1.14	36	0.85	0.56
15	1.35	30	0.80	0.41
16	1.24	35	0.79	0.51
17	1.18	34	0.78	0.52
18	1.06	34	0.78	0.57
19	1.18	34	0.80	0.52
20	0.86	25	0.81	0.53
21	0.94	33	0.82	0.63
22	1.00	36	0.85	0.64
23	1.03	36	0.90	0.63
24	1.16	36	0.88	0.56
25	1.03	35	0.85	0.62
26	1.03	35	0.87	0.61
27	1.02	35	0.88	0.62
28	1.02	35	0.84	0.62
29	1.02	30	0.82	0.52
30	0.98	35	0.93	0.64
31	0.98	35	0.90	0.64
Avg	1.22	34.73	0.82	0.53
Min	0.86	25.20	0.66	0.33
Max	2.14	39.30	0.93	0.64
Total	37.93	1,076.60		

Operating comments

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: August, 2022		Notes: See notes below for specific operating conditions.			
Signature: 		Date	GAUD mg/L	Location	HETL mg/L
9/2/2022		8/4/2022 11:30	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	0.58	21	0.75	0.65
2	0.07	2	0.72	0.63
3	0.34	12	0.80	0.65
4	0.41	15	0.85	0.64
5	0.44	16	0.74	0.65
6	0.56	20	0.68	0.65
7	0.62	22	0.66	0.65
8	0.57	21	0.68	0.65
9	0.51	18	0.74	0.65
10	0.49	18	0.77	0.65
11	0.58	21	0.78	0.65
12	0.47	17	0.81	0.65
13	0.55	20	0.80	0.65
14	0.70	25	0.80	0.65
15	0.54	20	0.72	0.66
16	0.60	22	0.77	0.65
17	0.67	24	0.86	0.65
18	0.58	21	0.88	0.66
19	0.63	23	0.85	0.65
20	0.60	22	0.80	0.65
21	0.82	30	0.78	0.65
22	0.83	30	0.76	0.65
23	0.73	26	0.78	0.65
24	0.69	25	0.77	0.65
25	0.78	28	0.77	0.65
26	0.79	29	0.83	0.66
27	0.60	22	0.85	0.65
28	0.74	27	0.86	0.65
29	0.66	24	0.85	0.67
30	0.71	26	0.82	0.65
31	0.77	28	0.82	0.66
Avg	0.60	21.72	0.78	0.65
Min	0.07	2.28	0.66	0.63
Max	0.83	29.90	0.88	0.67
Total	18.61	673.45		

Operating comments



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
8/1/2022	161,771	2.47	4.01	
8/2/2022	128,970	2.48	3.25	
8/3/2022	161,809	2.50	4.04	
8/4/2022	122,194	2.44	3.05	
8/5/2022	155,496	2.38	4.03	
8/6/2022	101,097	2.35	2.54	
8/7/2022	94,783	2.31	2.30	
8/8/2022	157,366	2.32	3.92	
8/9/2022	115,034	2.31	2.87	
8/10/2022	121,617	2.32	2.99	
8/11/2022	128,585	2.20	3.27	
8/12/2022	135,361	2.24	3.35	
8/13/2022	80,962	2.11	1.90	
8/14/2022	108,142	2.13	2.70	
8/15/2022	161,963	2.11	3.97	
8/16/2022	122,964	2.26	3.16	
8/17/2022	115,881	2.39	3.08	
8/18/2022	122,040	2.39	2.87	
8/19/2022	128,739	2.58	3.17	
8/20/2022	94,514	2.46	1.83	
8/21/2022	87,700	2.46	1.67	
8/22/2022	168,855	2.53	3.38	
8/23/2022	121,694	2.60	2.50	
8/24/2022	127,007	2.55	2.56	
8/25/2022	162,348	2.53	3.26	
8/26/2022	100,982	2.52	2.05	
8/27/2022	55,053	2.44	1.38	
8/28/2022	101,097	2.46	2.07	
8/29/2022	115,188	2.43	2.38	
8/30/2022	121,386	2.37	2.44	
8/31/2022	113,455	2.43	2.71	
Sum	3,794,055		88.70	
Average	122,389	2.39	2.86	
Max		2.60		

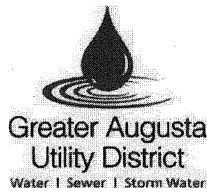
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

October 7, 2022

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 September, 2022.

You should find the following documents:

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

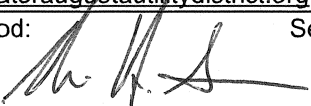
We have made the following modifications to our Coliform Sampling Site Plan due to COVID-19 access restrictions:

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

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

Sincerely,

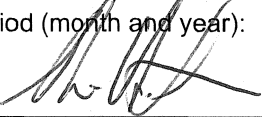
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period:	September, 2022		
Signature:		10/5/2022	

	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	0.97	7.31	1.22	0.79	7.71	1.00	3.5	12.2	0	2.1	10.0	50
2	0.96	7.31	1.22	0.75	7.72	0.96	3.5	12.0	0	2.0	10.0	
3	0.97	7.31	1.21	0.74	7.70	0.97	3.5	12.0	0	2.0	10.0	
4	0.76	7.28	0.90	0.66	7.74	0.97	2.6	6.4	0	1.8	9.0	
5	0.84	7.26	0.98	0.74	7.73	0.96	2.9	9.6	0	2.0	10.0	
6	0.83	7.26	1.21	0.73	7.72	0.96	3.1	10.3	0	2.0	9.0	
7	0.98	7.26	1.20	0.67	7.72	0.96	3.3	12.1	0	1.8	9.0	50
8	0.98	7.26	1.19	0.71	7.74	1.07	3.4	11.9	0	1.9	9.0	
9	0.96	7.26	1.18	0.74	7.73	1.24	3.4	11.9	0	2.0	10.0	
10	0.97	7.26	1.17	0.64	7.74	1.30	3.4	11.9	0	1.7	8.0	
11	0.73	7.26	0.88	0.80	7.74	1.30	2.5	6.0	0	2.2	10.0	
12	0.91	7.35	1.02	0.70	7.74	1.30	3.0	9.2	0	1.9	9.0	
13	0.95	7.41	1.22	0.81	7.72	1.30	3.2	10.9	0	2.2	11.0	
14	0.94	7.40	1.23	0.86	7.73	1.19	3.2	10.9	0	2.3	10.0	
15	0.95	7.38	1.24	0.81	7.72	1.11	3.3	10.8	0	2.2	9.0	
16	0.95	7.37	1.24	0.79	7.73	1.10	3.2	10.5	0	2.1	9.0	50
17	0.94	7.37	1.24	0.79	7.73	1.10	3.2	10.6	0	2.1	9.0	
18	0.80	7.37	1.23	0.68	7.72	1.10	2.7	8.8	0	1.8	7.0	
19	0.95	7.36	1.24	0.69	7.72	1.11	3.1	10.4	0	1.9	8.0	50
20	0.94	7.36	1.23	0.67	7.73	1.11	3.2	10.5	0	1.8	8.0	
21	0.70	7.36	1.20	0.74	7.74	1.08	2.4	7.8	0	2.0	8.0	
22	0.94	7.35	1.22	0.78	7.72	1.07	3.3	10.6	0	2.0	9.0	
23	0.95	7.35	1.23	0.74	7.73	1.05	3.2	10.7	0	2.0	8.0	50
24	0.94	7.35	1.23	0.82	7.75	1.02	3.2	10.6	0	2.2	9.0	
25	0.94	7.35	1.23	0.69	7.74	0.98	3.2	10.4	0	1.9	7.0	
26	0.97	7.36	1.09	0.48	7.73	0.97	3.3	10.2	0	1.3	5.0	
27	1.26	7.32	1.29	0.86	7.75	1.08	4.3	14.9	0	2.3	10.0	
28	2.31	7.34	1.21	0.32	7.76	1.08	7.4	26.4	0	0.8	4.0	
29	1.48	7.31	1.15	0.32	7.74	1.02	5.2	17.2	0	0.8	4.0	
30	1.31	7.31	1.12	0.60	7.75	1.10	4.2	14.9	0	1.6	7.0	
Summary	30.08	7.33	0.88	21.12	7.73	0.96	103	343	0	57	255	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	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	160	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	598	gallons
NaF	Sodium fluoride	fluoridation		250	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:	0.75

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 License #:		Brian Tarbuck			
		2026			
		btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):			September, 2022		
Signature 			October 5, 2022		

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	0.01	0.00	0.97	0.00	0.79	0.79	1.76
2	0.96	0.00	0.00	0.96	0.00	0.75	0.75	1.71
3	0.96	0.01	0.00	0.97	0.00	0.74	0.74	1.71
4	0.75	0.01	0.00	0.76	0.00	0.66	0.66	1.42
5	0.83	0.01	0.00	0.84	0.00	0.74	0.74	1.58
6	0.82	0.01	0.00	0.83	0.00	0.73	0.73	1.56
7	0.97	0.01	0.00	0.98	0.00	0.67	0.67	1.65
8	0.97	0.01	0.00	0.98	0.00	0.71	0.71	1.69
9	0.96	0.00	0.00	0.96	0.00	0.74	0.74	1.70
10	0.96	0.01	0.00	0.97	0.00	0.64	0.64	1.61
11	0.72	0.01	0.00	0.73	0.00	0.80	0.80	1.53
12	0.39	0.01	0.51	0.91	0.00	0.70	0.70	1.61
13	0.00	0.01	0.94	0.95	0.00	0.81	0.81	1.76
14	0.00	0.00	0.94	0.94	0.00	0.86	0.86	1.80
15	0.00	0.01	0.94	0.95	0.00	0.81	0.81	1.76
16	0.00	0.01	0.94	0.95	0.00	0.79	0.79	1.74
17	0.00	0.01	0.93	0.94	0.00	0.79	0.79	1.73
18	0.00	0.01	0.79	0.80	0.00	0.68	0.68	1.48
19	0.00	0.01	0.94	0.95	0.00	0.69	0.69	1.64
20	0.00	0.01	0.93	0.94	0.00	0.67	0.67	1.61
21	0.00	0.00	0.70	0.70	0.00	0.74	0.74	1.44
22	0.00	0.01	0.93	0.94	0.00	0.78	0.78	1.72
23	0.00	0.01	0.94	0.95	0.00	0.74	0.74	1.69
24	0.00	0.01	0.93	0.94	0.00	0.82	0.82	1.76
25	0.00	0.01	0.93	0.94	0.00	0.69	0.69	1.63
26	0.55	0.14	0.28	0.97	0.00	0.48	0.48	1.45
27	0.97	0.01	0.28	1.26	0.00	0.86	0.86	2.12
28	0.89	0.62	0.80	2.31	0.00	0.32	0.32	2.63
29	0.95	0.00	0.53	1.48	0.00	0.32	0.32	1.80
30	0.53	0.37	0.41	1.31	0.00	0.60	0.60	1.91
Sum	14.14	1.35	14.59	30.08	0.03	21.12	21.15	51.23

Percent Triangle 59%
Percent Riverside 41%

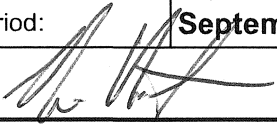
Average flow: 1.71

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:	September, 2022	Notes: See notes below for specific operating conditions.	
Signature:	10/6/2022	Date	GAUD mg/L
		9/15/22 13:12	0.70
		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	0.97	34	0.79	0.64
2	0.96	34	0.86	0.63
3	0.97	34	0.89	0.62
4	0.76	27	0.88	0.64
5	0.84	29	0.90	0.62
6	0.83	29	0.92	0.62
7	0.98	29	0.80	0.53
8	0.98	31	0.85	0.57
9	0.96	31	0.75	0.58
10	0.97	31	0.70	0.57
11	0.73	23	0.69	0.55
12	0.91	28	0.69	0.55
13	0.95	29	0.80	0.54
14	0.94	29	0.83	0.55
15	0.95	28	0.85	0.53
16	0.95	28	0.78	0.53
17	0.94	28	0.74	0.53
18	0.80	24	0.72	0.53
19	0.95	28	0.73	0.53
20	0.94	29	0.72	0.55
21	0.70	23	0.76	0.60
22	0.94	31	0.75	0.59
23	0.95	18	0.47	0.34
24	0.94	0	0.08	0.00
25	0.94	0	0.08	0.00
26	0.97	0	0.09	0.00
27	1.26	0	0.10	0.00
28	2.31	0	0.09	0.00
29	1.48	0	0.08	0.00
30	1.31	0	0.05	0.00
Avg	1.00	21.72	0.61	0.43
Min	0.70	0.00	0.05	0.00
Max	2.31	34.30	0.92	0.64
Total	30.08	651.50		

Operating comments

Fluoridation out of service for cleaning.

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		Notes: See notes below for specific operating conditions.			
Reporting period:	September, 2022	Date	GAUD mg/L	Location	HETL mg/L
Signature: 	10/6/2022	9/15/22 12:55	0.60	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	0.79	29	0.87	0.65
2	0.75	27	0.89	0.66
3	0.74	27	0.93	0.65
4	0.66	24	0.94	0.66
5	0.74	27	0.95	0.65
6	0.73	27	0.90	0.66
7	0.67	24	0.89	0.66
8	0.71	26	0.87	0.66
9	0.74	27	0.88	0.65
10	0.64	23	0.88	0.66
11	0.80	29	0.87	0.66
12	0.70	26	0.85	0.66
13	0.81	30	0.82	0.66
14	0.86	32	0.80	0.67
15	0.81	30	0.79	0.66
16	0.79	29	0.81	0.66
17	0.79	29	0.83	0.66
18	0.68	25	0.84	0.65
19	0.69	25	0.90	0.66
20	0.67	25	0.89	0.67
21	0.74	26	0.87	0.64
22	0.78	27	0.84	0.63
23	0.74	26	0.87	0.63
24	0.82	29	0.86	0.63
25	0.69	24	0.86	0.62
26	0.48	17	0.85	0.62
27	0.86	30	0.85	0.63
28	0.32	11	0.85	0.62
29	0.32	11	0.83	0.62
30	0.60	21	0.90	0.63
Avg	0.70	25.42	0.87	0.65
Min	0.32	10.96	0.79	0.62
Max	0.86	31.92	0.95	0.67
Total	21.12	762.68		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month:

September, 2022

Reporting date: 10/7/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
9/1/2022	112,955	2.44	3.32	
9/2/2022	60,905	2.23	1.51	
9/3/2022	74,572	2.38	1.59	
9/4/2022	81,193	2.58	1.77	
9/5/2022	47,276	2.50	1.01	
9/6/2022	108,758	2.51	2.39	
9/7/2022	107,911	2.43	2.27	
9/8/2022	100,943	2.45	2.14	
9/9/2022	115,380	2.44	2.46	
9/10/2022	52,127	2.45	1.10	
9/11/2022	108,219	2.63	2.35	
9/12/2022	128,739	2.59	2.73	
9/13/2022	115,149	2.49	2.45	
9/14/2022	153,725	2.45	3.30	
9/15/2022	108,450	2.56	2.32	
9/16/2022	67,180	2.56	1.55	
9/17/2022	94,514	2.54	1.96	
9/18/2022	53,628	2.51	1.13	
9/19/2022	67,680	2.44	1.43	
9/20/2022	61,713	2.44	1.32	
9/21/2022	101,097	2.50	2.24	
9/22/2022	54,090	2.65	1.18	
9/23/2022	101,174	2.43	2.18	
9/24/2022	47,276	2.25	1.01	
9/25/2022	47,238	2.17	1.02	
9/26/2022	53,936	2.35	1.20	
9/27/2022	94,706	2.52	2.08	
9/28/2022	66,295	2.37	1.38	
9/29/2022	53,782	2.28	1.07	
9/30/2022	58,787	2.34	1.27	
Sum	2,499,403		54.74	
Average	83,313	2.45	1.82	
Max		2.65		

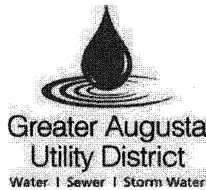
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
knight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

November 3, 2022

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 October, 2022.

You should find the following documents:

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

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

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

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

Sincerely,

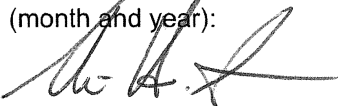
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period:	October, 2022		
Signature:		11/3/2022	

Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	1.39	7.28	1.14	0.42	7.77	1.09	4.8	16.0		1.1	5.0	
2	0.96	7.25	1.13	0.61	7.75	1.10	3.6	11.7		1.6	7.3	
3	0.96	7.24	1.18	0.62	7.76	1.09	3.7	11.6		1.7	7.5	
4	0.72	7.22	1.19	0.66	7.76	1.07	2.6	8.7		1.8	7.9	
5	0.97	7.24	1.21	0.72	7.75	1.08	3.5	11.6	50	1.9	8.6	
6	0.74	7.26	1.20	0.60	7.73	1.09	2.6	8.8		1.6	7.2	
7	0.96	7.21	1.23	0.69	7.74	1.15	3.3	11.6		1.8	8.2	
8	0.76	7.27	1.23	0.55	7.74	1.15	2.5	9.1		1.5	6.4	
9	0.71	7.25	0.96	0.65	7.75	1.18	2.5	5.8		1.7	7.6	
10	0.69	7.25	1.23	0.60	7.74	1.01	2.5	8.4		1.6	6.4	
11	0.93	7.28	1.23	0.62	7.74	1.07	3.4	11.4	50	1.6	7.0	
12	0.94	7.26	1.22	0.59	7.73	1.25	3.3	11.6		1.6	7.4	
13	0.93	7.26	1.20	0.58	7.73	1.26	3.3	11.4	50	1.5	7.5	
14	0.67	7.25	1.20	0.64	7.72	1.18	2.3	8.2		1.7	7.7	
15	0.93	7.24	1.21	0.64	7.72	1.12	3.3	11.5		1.7	7.4	
16	0.51	7.24	0.92	0.66	7.72	1.11	1.9	3.6		1.7	7.5	
17	0.72	7.24	0.85	0.65	7.72	1.13	2.6	6.8		1.7	7.5	
18	0.95	7.18	1.20	0.56	7.74	1.12	3.2	11.4	50	1.5	6.4	50
19	0.54	7.31	1.18	0.72	7.74	1.12	1.8	6.1		1.9	8.3	
20	0.95	7.35	1.24	0.70	7.75	1.08	3.3	10.6		1.9	8.0	
21	0.83	7.35	1.18	0.53	7.76	1.03	2.8	9.5		1.4	6.1	
22	0.76	7.34	1.16	0.58	7.75	1.05	2.6	8.4		1.5	6.5	
23	0.63	7.36	1.02	0.68	7.74	1.06	2.1	5.7		1.9	7.6	
24	0.90	7.37	1.09	0.69	7.74	1.06	3.2	10.1		1.9	7.7	
25	0.70	7.36	1.03	0.62	7.76	1.05	2.4	8.0		1.7	6.9	
26	0.82	7.36	1.08	0.66	7.76	1.04	2.7	9.4		1.8	7.2	
27	1.03	7.34	1.10	0.62	7.76	1.03	3.2	12.0		1.7	6.7	
28	0.62	7.33	1.05	0.69	7.75	1.01	2.0	7.1		1.9	7.4	
29	0.74	7.34	1.07	0.68	7.76	0.98	2.3	8.5		1.8	7.1	
30	0.41	7.34	1.02	0.73	7.75	0.97	1.3	4.8		2.0	7.8	
31	0.91	7.34	1.11	0.62	7.75	0.93	3.0	11.1	50	1.7	6.9	
Summary	25.28	7.29	0.85	19.58	7.74	0.93	88	291	250	52	225	50
	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	140	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	515	gallons
NaF	Sodium fluoride	fluoridation		300	pounds

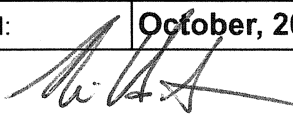
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.71

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 License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):		October, 2022	
Signature 		November 3, 2022	

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	0.12	0.33	1.39	0.00	0.42	0.42	1.81
2	0.96	0.00	0.00	0.96	0.00	0.61	0.61	1.57
3	0.96	0.00	0.00	0.96	0.00	0.62	0.62	1.58
4	0.72	0.00	0.00	0.72	0.00	0.66	0.66	1.38
5	0.96	0.01	0.00	0.97	0.00	0.72	0.72	1.69
6	0.73	0.01	0.00	0.74	0.00	0.60	0.60	1.34
7	0.96	0.00	0.00	0.96	0.00	0.69	0.69	1.65
8	0.76	0.00	0.00	0.76	0.00	0.55	0.55	1.31
9	0.70	0.01	0.00	0.71	0.00	0.65	0.65	1.36
10	0.69	0.00	0.00	0.69	0.00	0.60	0.60	1.29
11	0.93	0.00	0.00	0.93	0.00	0.62	0.62	1.55
12	0.94	0.00	0.00	0.94	0.00	0.59	0.59	1.53
13	0.93	0.00	0.00	0.93	0.00	0.58	0.58	1.51
14	0.66	0.01	0.00	0.67	0.00	0.64	0.64	1.31
15	0.93	0.00	0.00	0.93	0.00	0.64	0.64	1.57
16	0.50	0.01	0.00	0.51	0.00	0.66	0.66	1.17
17	0.71	0.01	0.00	0.72	0.00	0.65	0.65	1.37
18	0.95	0.00	0.00	0.95	0.00	0.56	0.56	1.51
19	0.08	0.01	0.45	0.54	0.00	0.72	0.72	1.26
20	0.00	0.01	0.94	0.95	0.00	0.70	0.70	1.65
21	0.19	0.00	0.64	0.83	0.00	0.53	0.53	1.36
22	0.00	0.01	0.75	0.76	0.00	0.58	0.58	1.34
23	0.00	0.01	0.62	0.63	0.00	0.68	0.68	1.31
24	0.00	0.61	0.29	0.90	0.00	0.69	0.69	1.59
25	0.00	0.70	0.00	0.70	0.00	0.62	0.62	1.32
26	0.00	0.82	0.00	0.82	0.00	0.66	0.66	1.48
27	0.00	1.03	0.00	1.03	0.00	0.62	0.62	1.65
28	0.00	0.62	0.00	0.62	0.00	0.69	0.69	1.31
29	0.00	0.74	0.00	0.74	0.00	0.68	0.68	1.42
30	0.00	0.41	0.00	0.41	0.00	0.73	0.73	1.14
31	0.42	0.31	0.18	0.91	0.00	0.62	0.62	1.53
Sum	15.62	5.46	4.20	25.28	0.00	19.58	19.58	44.86

Percent Triangle 56%
Percent Riverside 44%

Average 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:	October, 2022	Notes: See notes below for specific operating conditions.			
Signature:		Date	GAUD mg/L	Location	HETL mg/L
	11/3/2022	10/21/22 10:50	0.70	Western Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.39	0	0.05	0.00
2	0.96	0	0.05	0.00
3	0.96	0	0.05	0.00
4	0.72	0	0.05	0.00
5	0.97	0	0.05	0.00
6	0.74	19	0.55	0.46
7	0.96	34	0.79	0.64
8	0.76	26	0.85	0.62
9	0.71	25	0.88	0.62
10	0.69	24	0.90	0.64
11	0.93	33	0.89	0.63
12	0.94	33	0.88	0.63
13	0.93	33	0.89	0.64
14	0.67	23	0.89	0.62
15	0.93	33	0.90	0.63
16	0.51	18	0.91	0.64
17	0.72	25	0.89	0.63
18	0.95	33	0.87	0.62
19	0.54	17	0.84	0.57
20	0.95	30	0.83	0.56
21	0.83	23	0.83	0.50
22	0.76	24	0.82	0.57
23	0.63	20	0.82	0.58
24	0.90	16	0.49	0.31
25	0.70	17	0.52	0.43
26	0.82	28	0.84	0.62
27	1.03	35	0.86	0.61
28	0.62	20	0.85	0.57
29	0.74	23	0.81	0.57
30	0.41	13	0.82	0.57
31	0.91	26	0.93	0.51
Avg	0.82	20.95	0.70	0.48
Min	0.41	0.00	0.05	0.00
Max	1.39	34.80	0.93	0.64
Total	25.28	649.60		

Operating comments

Fluoridation offline for maintenance.

Fluoridation 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:	October, 2022	Notes: See notes below for specific operating conditions.			
Signature:	11/3/2022	Date	GAUD mg/L	Location	HETL mg/L
		10/21/22 13:55	0.80	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	14	0.87	0.62
2	0.61	21	0.87	0.62
3	0.62	22	0.81	0.63
4	0.66	23	0.76	0.62
5	0.72	25	0.75	0.63
6	0.60	21	0.74	0.63
7	0.69	24	0.74	0.63
8	0.55	19	0.75	0.62
9	0.65	23	0.74	0.63
10	0.60	21	0.71	0.63
11	0.62	22	0.69	0.62
12	0.59	20	0.68	0.61
13	0.58	11	0.48	0.33
14	0.64	22	0.50	0.62
15	0.64	24	0.70	0.68
16	0.66	24	0.68	0.66
17	0.65	24	0.67	0.67
18	0.56	21	0.70	0.67
19	0.72	27	0.77	0.67
20	0.70	26	0.79	0.67
21	0.53	20	0.79	0.68
22	0.58	21	0.79	0.67
23	0.68	25	0.77	0.66
24	0.69	21	0.67	0.56
25	0.62	18	0.42	0.51
26	0.66	24	0.64	0.66
27	0.62	23	0.61	0.67
28	0.69	26	0.62	0.68
29	0.68	26	0.61	0.69
30	0.73	1	0.19	0.02
31	0.62	0	0.09	0.00
Avg	0.63	20.61	0.66	0.59
Min	0.42	0.00	0.09	0.00
Max	0.73	26.70	0.87	0.69
Total	19.58	638.96		

Operating comments

Fluoridation system offline for maintenance.

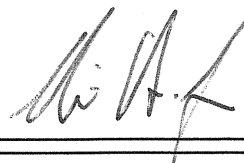
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: October, 2022

Reporting date: 11/3/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
10/1/2022	54,321	2.25	1.12	
10/2/2022	47,276	2.21	0.98	
10/3/2022	33,725	2.20	0.68	
10/4/2022	68,758	2.26	1.44	
10/5/2022	94,398	2.31	2.02	
10/6/2022	54,244	2.32	1.18	
10/7/2022	101,020	2.39	2.19	
10/8/2022	47,084	2.39	1.04	
10/9/2022	48,123	2.45	1.06	
10/10/2022	47,238	2.40	1.05	
10/11/2022	47,276	2.49	1.03	
10/12/2022	54,244	2.44	1.20	
10/13/2022	54,129	2.41	1.22	
10/14/2022	54,244	2.53	1.30	
10/15/2022	47,161	2.35	1.15	
10/16/2022	40,539	2.30	1.08	
10/17/2022	53,975	2.54	1.34	
10/18/2022	54,591	2.59	1.39	
10/19/2022	102,483	2.59	2.56	
10/20/2022	54,283	2.62	1.28	
10/21/2022	47,122	2.70	1.12	
10/22/2022	40,423	2.70	0.99	
10/23/2022	47,084	2.65	1.15	
10/24/2022	54,244	2.63	1.10	
10/25/2022	60,751	2.47	1.37	
10/26/2022	61,636	2.52	1.40	
10/27/2022	60,635	2.58	1.33	
10/28/2022	47,045	2.59	1.02	
10/29/2022	47,238	2.57	1.06	
10/30/2022	47,815	2.50	1.04	
10/31/2022	61,174	2.50	1.37	
Sum	1,734,283		39.26	
Average	55,945	2.47	1.27	
Max		2.70		

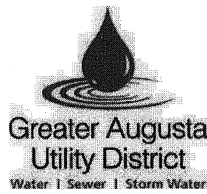
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

December 5, 2022

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 November, 2022.

You should find the following documents:

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

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

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

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

Sincerely,

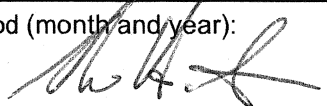
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period:	November, 2022		
Signature: 	12/1/2022		

	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	0.67	7.27	1.18	0.63	7.73	0.98	2.2	7.5		1.7	6.7	
2	0.97	7.21	1.24	0.60	7.72	0.95	3.2	11.6		1.7	6.4	
3	0.63	7.26	1.20	0.69	7.73	0.99	2.1	7.3		1.8	7.3	200
4	0.78	7.27	1.23	0.62	7.74	0.99	2.6	9.5		1.7	6.6	
5	0.74	7.18	0.93	0.65	7.74	0.98	2.4	6.0		1.8	6.8	
6	0.71	7.25	0.93	0.55	7.73	1.03	2.4	6.7		1.5	6.6	
7	0.96	7.20	1.03	0.64	7.72	1.05	3.4	9.7		1.8	7.5	50
8	0.59	7.25	1.20	0.71	7.72	1.03	1.9	7.1		2.0	8.0	
9	0.96	7.24	1.22	0.58	7.73	1.01	3.1	11.8	50	1.6	6.5	
10	0.80	7.24	1.19	0.59	7.73	1.10	2.6	9.4		1.6	7.4	
11	0.96	7.17	1.23	0.54	7.73	1.16	3.0	11.9		1.5	6.9	
12	0.96	7.23	1.22	0.32	7.71	0.69	3.2	11.8		0.9	3.7	
13	0.97	7.16	1.21	0.40	7.71	1.16	3.2	11.8		1.1	5.2	
14	0.96	7.21	1.21	0.53	7.72	1.18	3.2	11.7		1.4	6.0	50
15	0.54	6.97	1.18	0.54	7.72	1.09	1.8	6.6	50	1.5	5.5	
16	0.81	7.38	1.17	0.65	7.70	1.09	2.8	9.4	50	1.8	6.5	
17	0.93	7.33	1.20	0.60	7.70	0.92	3.2	10.8		1.6	4.9	
18	0.94	7.32	1.19	0.60	7.72	0.90	3.2	10.9		1.6	5.1	
19	0.92	7.32	1.19	0.51	7.73	0.80	3.3	10.6		1.4	3.6	
20	0.92	7.32	1.18	0.47	7.75	0.80	3.3	10.7		1.3	3.9	
21	0.92	7.32	1.19	0.48	7.75	1.02	3.0	10.7		1.3	5.5	50
22	0.92	7.32	1.20	0.55	7.75	1.16	3.0	10.5		1.5	6.4	
23	0.90	7.32	1.22	0.51	7.75	1.13	2.6	10.3		1.4	5.7	
24	0.92	7.32	1.23	0.50	7.75	1.02	2.4	10.5		1.4	5.2	
25	0.36	7.32	1.06	0.57	7.74	1.06	1.1	3.2		1.6	6.3	
26	0.61	7.32	0.81	0.74	7.74	1.04	1.6	5.6		2.0	7.7	
27	0.96	7.28	1.23	0.51	7.73	1.01	2.6	11.1		1.4	5.5	
28	0.92	7.32	1.18	0.58	7.73	0.84	2.4	10.7	100	1.6	5.7	50
29	0.49	7.31	1.10	0.60	7.73	1.09	1.5	5.5		1.6	7.4	
30	1.46	7.31	1.04	0.51	7.74	1.24	3.9	16.6		1.4	6.5	
Summary	25.18	7.26	0.81	16.97	7.73	0.69	80	288	250	47	183	400
	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	127	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	471	gallons
NaF	Sodium fluoride	fluoridation		650	pounds

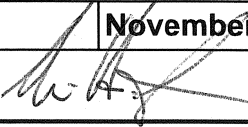
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.75

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 License #:	Brian Tarbuck 2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):	November, 2022		
Signature		December 1, 2022	

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	0.66	0.01	0.00	0.67	0.00	0.63	0.63	1.30
2	0.97	0.00	0.00	0.97	0.00	0.60	0.60	1.57
3	0.39	0.00	0.24	0.63	0.00	0.68	0.69	1.32
4	0.78	0.00	0.00	0.78	0.00	0.61	0.62	1.40
5	0.74	0.00	0.00	0.74	0.00	0.65	0.65	1.39
6	0.71	0.00	0.00	0.71	0.00	0.55	0.55	1.26
7	0.96	0.00	0.00	0.96	0.00	0.64	0.64	1.60
8	0.59	0.00	0.00	0.59	0.00	0.71	0.71	1.30
9	0.96	0.00	0.00	0.96	0.00	0.58	0.58	1.54
10	0.62	0.01	0.17	0.80	0.00	0.59	0.59	1.39
11	0.96	0.00	0.00	0.96	0.00	0.54	0.54	1.50
12	0.96	0.00	0.00	0.96	0.00	0.32	0.32	1.28
13	0.96	0.01	0.00	0.97	0.00	0.40	0.40	1.37
14	0.95	0.01	0.00	0.96	0.00	0.53	0.53	1.49
15	0.23	0.00	0.31	0.54	0.00	0.54	0.54	1.08
16	0.00	0.01	0.80	0.81	0.00	0.65	0.65	1.46
17	0.00	0.00	0.93	0.93	0.00	0.59	0.60	1.53
18	0.00	0.01	0.93	0.94	0.00	0.60	0.60	1.54
19	0.00	0.00	0.92	0.92	0.00	0.51	0.51	1.43
20	0.00	0.00	0.92	0.92	0.00	0.47	0.47	1.39
21	0.00	0.00	0.92	0.92	0.00	0.48	0.48	1.40
22	0.00	0.00	0.92	0.92	0.00	0.55	0.55	1.47
23	0.00	0.01	0.89	0.90	0.00	0.51	0.51	1.41
24	0.00	0.01	0.91	0.92	0.00	0.50	0.50	1.42
25	0.00	0.00	0.36	0.36	0.00	0.57	0.57	0.93
26	0.00	0.07	0.54	0.61	0.00	0.74	0.74	1.35
27	0.00	0.05	0.91	0.96	0.00	0.51	0.51	1.47
28	0.00	0.00	0.92	0.92	0.00	0.58	0.58	1.50
29	0.00	0.01	0.48	0.49	0.00	0.59	0.60	1.09
30	0.45	0.52	0.49	1.46	0.00	0.51	0.51	1.97
Sum	11.89	0.73	12.56	25.18	0.00	16.93	16.97	42.15

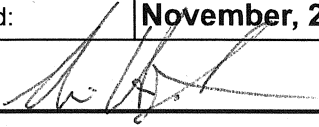
Percent Triangle 60%
Percent Riverside 40%

Average flow: 1.41

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, 2022		Notes: See notes below for specific operating conditions.			
Signature: 		Date	GAUD mg/L	Location	HETL mg/L
12/5/2022		11/10/22 10:55	0.70	Western Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.67	22	1.01	0.59
2	0.97	32	0.80	0.59
3	0.63	15	0.70	0.43
4	0.78	26	0.77	0.60
5	0.74	25	0.81	0.60
6	0.71	23	0.78	0.58
7	0.96	32	0.77	0.59
8	0.59	20	0.77	0.60
9	0.96	32	0.77	0.59
10	0.80	22	0.76	0.48
11	0.96	32	0.76	0.59
12	0.96	31	0.75	0.59
13	0.97	31	0.76	0.58
14	0.96	31	0.75	0.59
15	0.54	17	0.75	0.58
16	0.81	23	0.77	0.52
17	0.93	25	0.76	0.48
18	0.94	25	0.76	0.48
19	0.92	25	0.76	0.49
20	0.92	24	0.75	0.47
21	0.92	24	0.76	0.47
22	0.92	24	0.76	0.47
23	0.90	24	0.76	0.48
24	0.92	24	0.78	0.47
25	0.36	10	0.79	0.49
26	0.61	16	0.78	0.47
27	0.96	25	0.81	0.47
28	0.92	25	0.73	0.49
29	0.49	13	0.75	0.48
30	1.46	25	0.73	0.31
Avg	0.84	24.07	0.77	0.52
Min	0.36	9.80	0.70	0.31
Max	1.46	31.70	1.01	0.60
Total	25.18	722.20		

Operating comments

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:	November, 2022	Notes: See notes below for specific operating conditions.			
Signature:		Date	GAUD mg/L	Location	HETL mg/L
	12/5/2022	11/10/22 11:15	0.62	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	0.63	0	0.09	0.00
2	0.60	0	0.09	0.00
3	0.69	0	0.10	0.00
4	0.62	21	0.58	0.61
5	0.65	25	0.89	0.70
6	0.55	22	0.89	0.71
7	0.64	25	0.82	0.70
8	0.71	28	0.81	0.70
9	0.58	22	0.81	0.69
10	0.59	22	0.86	0.67
11	0.54	20	0.88	0.67
12	0.32	12	0.86	0.67
13	0.40	15	0.88	0.67
14	0.53	20	0.83	0.68
15	0.54	20	0.81	0.67
16	0.65	24	0.85	0.67
17	0.60	22	0.87	0.67
18	0.60	23	0.89	0.68
19	0.51	19	0.88	0.68
20	0.47	18	0.87	0.67
21	0.48	18	0.75	0.68
22	0.55	21	0.77	0.69
23	0.51	19	0.84	0.68
24	0.50	19	0.84	0.67
25	0.57	21	0.84	0.67
26	0.74	28	0.82	0.67
27	0.51	19	0.82	0.69
28	0.58	22	0.82	0.68
29	0.60	23	0.84	0.68
30	0.51	19	0.78	0.67
Avg	0.57	18.88	0.76	0.61
Min	0.32	0.00	0.09	0.00
Max	0.74	27.69	0.89	0.71
Total	16.97	566.53		

Operating comments

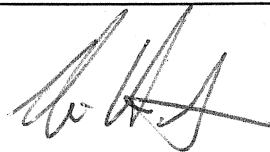
Fluoridation system returned to service

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: November, 2022 Reporting date: 12/5/2022



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
11/1/2022	68,258	2.47	1.51	
11/2/2022	60,443	2.50	1.36	
11/3/2022	142,945	2.46	3.17	
11/4/2022	47,852	2.47	1.06	
11/5/2022	47,315	2.44	1.06	
11/6/2022	50,116	2.40	1.15	
11/7/2022	47,007	2.38	1.01	
11/8/2022	94,398	2.37	2.06	
11/9/2022	53,474	2.41	1.18	
11/10/2022	54,283	2.36	1.24	
11/11/2022	47,430	2.35	1.11	
11/12/2022	50,934	2.30	1.12	
11/13/2022	-	2.28	0.00	valve closed, no flow
11/14/2022	101,521	2.36	2.31	
11/15/2022	60,789	2.39	1.22	
11/16/2022	61,444	2.35	1.38	
11/17/2022	47,276	2.45	0.92	
11/18/2022	66,949	2.54	1.43	
11/19/2022	47,430	2.52	1.09	
11/20/2022	-	2.58	0.00	valve closed, no flow
11/21/2022	53,898	2.57	1.20	
11/22/2022	101,405	2.56	2.15	
11/23/2022	60,905	2.60	1.30	
11/24/2022	54,706	2.52	1.19	
11/25/2022	47,161	2.64	1.00	
11/26/2022	47,892	2.53	0.99	
11/27/2022	47,199	2.33	1.00	
11/28/2022	61,213	2.49	1.35	
11/29/2022	61,020	2.55	1.36	
11/30/2022	60,751	2.57	1.35	
Sum	1,746,014		38.25	
Average	58,200	2.46	1.27	
Max		2.64		

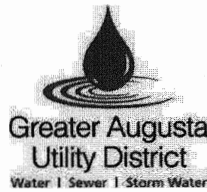
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell voting member
cwarren@greateraugustautilitydistrict.org

Bob Corey, Treasurer
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org



www.greateraugustautilitydistrict.org
12 Williams Street
Augusta, ME 04330-5225
(207) 622-3701

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

Keith Luke, Augusta ex-officio member
kluke@greateraugustautilitydistrict.org

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

January 9, 2023

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for December, 2022.

You should find the following documents:

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

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

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

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

Sincerely,

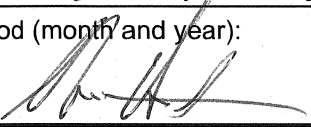
Brian Tarbuck, PE, System Class IV 2026

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greateraugustautilitydistrict.org			
Reporting period:	December, 2022		
Signature:		1/6/2023	

Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	0.28	7.27	1.07	0.74	7.73	1.15	0.8	3.1		2.0	8.5	
2	0.90	7.32	1.11	0.76	7.73	1.12	2.7	10.1		2.1	8.6	
3	0.92	7.32	1.11	0.61	7.73	1.12	2.8	10.3		1.7	7.0	
4	0.93	7.32	1.11	0.55	7.73	1.10	2.7	10.3		1.5	6.2	
5	0.92	7.32	0.96	0.49	7.73	0.88	2.8	10.4	50	1.3	5.5	
6	0.69	7.31	0.93	0.62	7.73	1.08	2.2	8.0	50	1.7	7.0	50
7	0.59	7.27	0.93	0.70	7.73	1.09	2.0	7.0		1.9	7.7	
8	1.02	7.27	1.07	0.52	7.73	0.71	3.3	13.1		1.4	6.5	
9	0.62	7.28	0.97	0.72	7.74	1.22	2.0	8.2		2.0	9.1	
10	0.74	7.29	1.01	0.55	7.75	1.19	2.5	9.7		1.5	7.0	
11	0.71	7.29	0.98	0.68	7.75	1.19	2.3	9.3		1.8	8.6	
12	0.69	7.28	1.02	0.74	7.75	1.18	2.4	8.8		2.0	9.4	
13	0.69	7.25	1.23	0.70	7.75	1.16	2.4	9.4		2.0	9.1	
14	0.68	7.25	1.27	0.70	7.75	1.16	2.3	9.1	50	1.9	9.0	
15	0.80	7.25	1.26	0.59	7.75	1.15	2.8	10.7		1.6	7.6	50
16	0.66	7.25	1.25	0.65	7.75	1.20	2.4	8.8		1.8	8.4	
17	0.68	7.24	1.24	0.56	7.75	1.23	2.4	9.2		1.5	7.2	
18	0.35	7.24	1.08	0.86	7.75	1.20	1.3	3.4		2.4	10.8	
19	0.77	7.32	1.11	0.66	7.71	0.91	2.6	8.5		1.8	7.1	
20	0.94	7.31	1.29	0.67	7.71	1.10	2.8	11.7		1.8	7.6	
21	0.94	7.29	1.28	0.60	7.71	1.06	3.2	11.8		1.6	6.8	
22	0.82	7.30	1.21	0.62	7.71	0.98	2.7	10.2		1.7	6.9	
23	0.93	7.27	1.17	0.56	7.72	1.06	3.2	11.7		1.5	6.4	
24	0.93	7.28	0.82	0.40	7.72	1.04	3.2	8.4		1.1	4.6	
25	0.35	7.30	0.87	0.54	7.72	1.02	1.2	2.5		1.5	6.2	
26	0.70	7.31	1.14	0.72	7.72	1.05	2.4	8.7		2.0	8.2	
27	0.94	7.29	1.08	0.68	7.72	1.10	3.2	10.9	50	1.8	7.8	50
28	0.93	7.27	1.13	0.47	7.72	1.13	3.1	11.5		1.3	5.4	
29	0.62	7.29	1.02	0.58	7.72	1.13	2.2	7.0		1.6	6.7	
30	0.98	7.25	1.24	0.52	7.72	1.18	3.6	12.2	50	1.4	5.9	
31	0.97	7.24	1.33	0.35	7.72	1.18	3.4	13.0		1.0	4.1	
Summary	23.69	7.28	0.82	19.11	7.73	0.71	79	287	250	52	227	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	131	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	514	gallons
NaF	Sodium fluoride	fluoridation		400	pounds

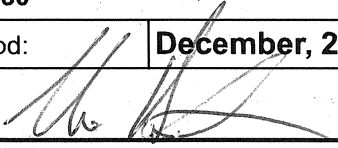
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.79

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):		December, 2022	
Signature 		January 6, 2023	

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	0.28	0.28	0.00	0.74	0.74	1.02
2	0.00	0.01	0.89	0.90	0.00	0.76	0.76	1.66
3	0.00	0.00	0.92	0.92	0.00	0.61	0.61	1.53
4	0.00	0.01	0.92	0.93	0.00	0.55	0.55	1.48
5	0.00	0.00	0.92	0.92	0.00	0.49	0.49	1.41
6	0.01	0.45	0.23	0.69	0.00	0.62	0.62	1.31
7	0.00	0.59	0.00	0.59	0.00	0.70	0.70	1.29
8	0.00	1.02	0.00	1.02	0.00	0.52	0.52	1.54
9	0.16	0.46	0.00	0.62	0.00	0.72	0.72	1.34
10	0.00	0.74	0.00	0.74	0.00	0.55	0.55	1.29
11	0.00	0.71	0.00	0.71	0.00	0.67	0.67	1.38
12	0.54	0.15	0.00	0.69	0.00	0.74	0.74	1.43
13	0.68	0.01	0.00	0.69	0.00	0.70	0.70	1.39
14	0.68	0.00	0.00	0.68	0.00	0.70	0.70	1.38
15	0.79	0.01	0.00	0.80	0.00	0.59	0.59	1.39
16	0.65	0.01	0.00	0.66	0.00	0.65	0.65	1.31
17	0.67	0.01	0.00	0.68	0.00	0.56	0.56	1.24
18	0.35	0.00	0.00	0.35	0.00	0.86	0.86	1.21
19	0.24	0.01	0.52	0.77	0.00	0.66	0.66	1.43
20	0.00	0.01	0.93	0.94	0.00	0.67	0.67	1.61
21	0.00	0.01	0.93	0.94	0.00	0.59	0.59	1.53
22	0.00	0.30	0.52	0.82	0.00	0.62	0.62	1.44
23	0.00	0.00	0.93	0.93	0.00	0.56	0.56	1.49
24	0.00	0.00	0.93	0.93	0.00	0.40	0.40	1.33
25	0.00	0.00	0.35	0.35	0.00	0.54	0.54	0.89
26	0.00	0.00	0.70	0.70	0.00	0.72	0.72	1.42
27	0.00	0.01	0.93	0.94	0.00	0.68	0.68	1.62
28	0.00	0.01	0.92	0.93	0.00	0.47	0.47	1.40
29	0.43	0.00	0.19	0.62	0.00	0.58	0.58	1.20
30	0.97	0.01	0.00	0.98	0.00	0.52	0.52	1.50
31	0.97	0.00	0.00	0.97	0.00	0.35	0.35	1.32
Sum	7.14	4.54	12.01	23.69	0.00	19.09	19.09	42.78

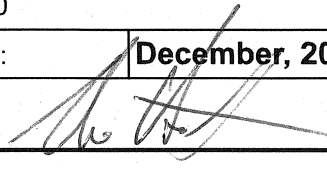
Percent Triangle 55%
Percent Riverside 45%

Average flow: 1.38

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:	December, 2022	Notes: See notes below for specific operating conditions.	
Signature: 	1/9/2023	Date	GAUD mg/L
		12/14/22 10:45	0.59
		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	0.28	8	0.81	0.50
2	0.90	25	0.75	0.51
3	0.92	25	0.70	0.50
4	0.93	26	0.70	0.49
5	0.92	26	0.69	0.50
6	0.69	20	0.68	0.52
7	0.59	17	0.68	0.52
8	1.02	30	0.67	0.52
9	0.62	15	0.71	0.44
10	0.74	21	0.70	0.52
11	0.71	20	0.69	0.51
12	0.69	21	0.84	0.53
13	0.69	21	0.81	0.54
14	0.68	20	0.71	0.53
15	0.80	24	0.71	0.54
16	0.66	19	0.70	0.53
17	0.68	16	0.45	0.42
18	0.35	11	0.67	0.55
19	0.77	22	0.69	0.51
20	0.94	26	0.74	0.50
21	0.94	26	0.74	0.49
22	0.82	19	0.72	0.42
23	0.93	26	0.73	0.49
24	0.93	26	0.74	0.50
25	0.35	10	0.74	0.50
26	0.70	19	0.74	0.50
27	0.94	26	0.74	0.50
28	0.93	26	0.74	0.50
29	0.62	18	0.77	0.53
30	0.98	29	0.80	0.53
31	0.97	29	0.78	0.53
Avg	0.76	21.46	0.72	0.51
Min	0.28	7.80	0.45	0.42
Max	1.02	29.60	0.84	0.55
Total	23.69	665.40		

Operating comments

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:	December, 2022	Notes: See notes below for specific operating conditions.			
Signature:		Date	GAUD mg/L	Location	HETL mg/L
	1/9/2023	12/14/22 11:49	0.87	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	0.74	28	0.77	0.68
2	0.76	29	0.79	0.68
3	0.61	23	0.78	0.68
4	0.55	20	0.77	0.67
5	0.49	18	0.83	0.68
6	0.62	23	0.78	0.67
7	0.70	26	0.77	0.68
8	0.52	20	0.76	0.68
9	0.72	27	0.75	0.67
10	0.55	20	0.75	0.66
11	0.68	25	0.75	0.67
12	0.74	28	0.74	0.67
13	0.70	26	0.73	0.66
14	0.70	26	0.73	0.67
15	0.59	22	0.75	0.67
16	0.65	24	0.75	0.67
17	0.56	21	0.75	0.67
18	0.86	32	0.75	0.67
19	0.66	25	0.75	0.67
20	0.67	25	0.83	0.68
21	0.60	22	0.81	0.66
22	0.62	23	0.77	0.68
23	0.56	21	0.76	0.68
24	0.40	15	0.75	0.67
25	0.54	20	0.76	0.68
26	0.72	27	0.75	0.68
27	0.68	25	0.75	0.67
28	0.47	18	0.76	0.68
29	0.58	22	0.77	0.67
30	0.52	20	0.75	0.69
31	0.35	13	0.76	0.67
Avg	0.62	23.04	0.76	0.67
Min	0.35	13.12	0.73	0.66
Max	0.86	32.15	0.83	0.69
Total	19.11	714.34		

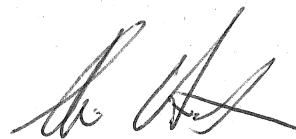
Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: December, 2022 Reporting date: 1/9/2023



Date	Flow (gallons)	Average chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
12/1/2022	60,674	2.46	1.30	
12/2/2022	67,565	2.43	1.46	
12/3/2022	47,276	2.29	0.99	
12/4/2022	54,206	2.36	1.11	
12/5/2022	68,373	1.93	1.49	
12/6/2022	60,751	2.40	1.34	
12/7/2022	60,866	2.45	1.35	
12/8/2022	47,199	2.56	1.02	
12/9/2022	61,097	2.63	1.36	
12/10/2022	54,206	2.54	1.22	
12/11/2022	-	2.41	0.00	valve closed, no flow
12/12/2022	47,122	2.49	1.06	
12/13/2022	102,175	2.53	2.31	
12/14/2022	54,129	2.21	1.16	
12/15/2022	61,213	2.48	1.41	
12/16/2022	67,873	2.41	1.52	
12/17/2022	43,888	2.37	0.86	
12/18/2022	-	2.66	0.00	valve closed, no flow
12/19/2022	101,367	2.79	2.34	
12/20/2022	61,059	2.79	1.31	
12/21/2022	54,052	2.57	1.17	
12/22/2022	61,136	2.55	1.30	
12/23/2022	13,705	2.58	0.30	
12/24/2022	54,321	2.62	1.19	
12/25/2022	54,437	2.55	1.18	
12/26/2022	-	2.53	0.00	valve closed, no flow
12/27/2022	47,161	2.51	1.04	
12/28/2022	94,822	2.46	1.95	
12/29/2022	53,628	2.52	1.14	
12/30/2022	54,360	2.60	1.14	
12/31/2022	-	2.56	0.00	valve closed, no flow
Sum	1,608,662		35.03	
Average	51,892	2.46	1.13	
Max		2.79		