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February 3, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of January, 2017.

You should find the following documents:

1. Total Coliform Monitoring Report;
2. Operating report;
3. Water production report;
4. Triangle fluoridation report;
5. Riverside fluoridation report, and;
6. Togus disinfection station report.

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

Sincerely,

A handwritten signature in black ink, appearing to be "Brian Tarbuck", written over a white background.

Brian Tarbuck, PE, System Class IV 2026

**Bacteriological Report Form**

**Utility: Greater Augusta Utility District, PWSID ME0090080  
Greater Augusta Utility District Laboratory, ME00012**

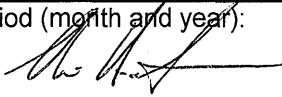
Number of samples required	15
Number of samples taken for compliance	28
Number of quality control samples	1
Number of positive samples	0

January 2017

I hereby certify that this report is true and correct and that the bacterial analyses reported herein were performed in accordance with the Standard Methods for Water Analysis.

  
June Mooney, Water Quality Specialist

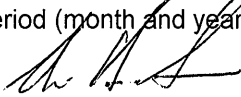
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl <sub>2</sub>	Total Cl <sub>2</sub>	Fluoride (mg/l)	Set up by:	Date & time	Coliform	Method	Lauryl Tryptose		EC 44.5c	HPC 48 hrs
										Present/Absent	MF/COLILERT	24 hr	48 hr		
1	WESTERN STA.	DIS	MOONEY	1-5-17/9:20	0.86	0.86	0.59	MOONEY	1-5-17/2:30	A	COLILERT				
2	TRIANGLE WELLHOUSE	DIS	MOONEY	1-5-17/9:40	1.21	1.20	0.71	MOONEY	1-5-17/2:30	A	COLILERT				
3	NORTHWEST STA.	DIS	MOONEY	1-5-17/10:00	1.11	1.10	0.71	MOONEY	1-5-17/2:30	A	COLILERT				
4	WILLOW ST. STA.	DIS	MOONEY	1-5-17/10:25	0.76	0.76	0.68	MOONEY	1-5-17/2:30	A	COLILERT				
5	12 WILLIAMS ST.	DIS	MOONEY	1-5-17/10:40	0.65	0.65	0.66	MOONEY	1-5-17/2:30	A	COLILERT				
6	HOSPITAL ST. STA.	DIS	MOONEY	1-5-17/11:00	0.48	0.49	0.68	MOONEY	1-5-17/2:30	A	COLILERT				
7	TOGUS STA.	DIS	MOONEY	1-5-17/11:30	0.68	0.68	0.54	MOONEY	1-5-17/2:30	A	COLILERT				
8	RIVERSIDE WELLHOUSE	DIS	MOONEY	1-5-17/12:10	1.02	1.02	0.72	MOONEY	1-5-17/2:30	A	COLILERT				
9	WESTERN STA.	DIS	MOONEY	1-10-17/9:40	0.87	0.86	0.70	MOONEY	1-10-17/2:15	A	COLILERT				
10	TRIANGLE WELLHOUSE	DIS	MOONEY	1-10-17/10:05	1.20	1.17	0.67	MOONEY	1-10-17/2:15	A	COLILERT				
11	NORTHWEST STA.	DIS	MOONEY	1-10-17/10:40	1.04	1.03	0.68	MOONEY	1-10-17/2:15	A	COLILERT				
12	12 WILLIAMS ST.	DIS	MOONEY	1-10-17/11:00	0.80	0.79	0.66	MOONEY	1-10-17/2:15	A	COLILERT				
13	HOSPITAL ST. STA.	DIS	MOONEY	1-10-17/11:20	0.88	0.88	0.64	MOONEY	1-10-17/2:15	A	COLILERT				
14	RIVERSIDE WELLHOUSE	DIS	MOONEY	1-10-17/12:10	1.26	1.27	0.69	MOONEY	1-10-17/2:15	A	COLILERT				
15	RIVERSIDE WELLHOUSE	DIS	MOONEY	1-17-17/11:30	0.97	0.93	0.69	MOONEY	1-18-17/8:00	A	COLILERT				
16	HOSPITAL ST. STA.	DIS	MOONEY	1-17-17/12:30	0.78	0.78	0.64	MOONEY	1-18-17/8:00	A	COLILERT				
17	12 WILLIAMS ST.	DIS	MOONEY	1-17-17/1:00	0.59	0.59	0.67	MOONEY	1-18-17/8:00	A	COLILERT				
18	TRIANGLE WELLHOUSE	DIS	MOONEY	1-17-17/1:30	1.04	1.04	0.68	MOONEY	1-18-17/8:00	A	COLILERT				
19	WESTERN STA.	DIS	MOONEY	1-17-17/2:00	0.91	0.91	0.69	MOONEY	1-18-17/8:00	A	COLILERT				
20	NORTHWEST STA.	DIS	MOONEY	1-18-17/10:25	0.91	0.92	0.71	MOONEY	1-18-17/12:00	A	COLILERT				
21	MANCHESTER TOWN OFFICE	DIS	MOONEY	1-18-17/10:45	0.25	0.28	0.68	MOONEY	1-18-17/12:00	A	COLILERT				
22	QUALITY INN	DIS	MOONEY	1-18-17/11:15	0.71	0.70	0.68	MOONEY	1-18-17/12:00	A	COLILERT				
23	WESTERN STA.	DIS	MOONEY	1-23-17/10:15	0.88	0.88	0.72	MOONEY	1-23-17/2:15	A	COLILERT				
24	TRIANGLE WELLHOUSE	DIS	MOONEY	1-23-17/10:35	1.12	1.11	0.62	MOONEY	1-23-17/2:15	A	COLILERT				
25	NORTHWEST STA.	DIS	MOONEY	1-23-17/11:00	1.07	1.07	0.64	MOONEY	1-23-17/2:15	A	COLILERT				
26	12 WILLIAMS ST.	DIS	MOONEY	1-23-17/11:20	0.45	0.46	0.68	MOONEY	1-23-17/2:15	A	COLILERT				
27	HOSPITAL ST. STA.	DIS	MOONEY	1-23-17/11:40	0.82	0.81	0.67	MOONEY	1-23-17/2:15	A	COLILERT				
28	RIVERSIDE WELLHOUSE	DIS	MOONEY	1-23-17/12:40	1.00	0.98	0.72	MOONEY	1-23-17/2:15	A	COLILERT				
*	LAB DISTILLED WATER	QC	MOONEY	1-23-17/7:20	0.01	0.02		MOONEY	1-23-17/9:00						0:4ml

<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	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 (month and year):	<b>January - 17</b>		
Signature:		2/2/2017	

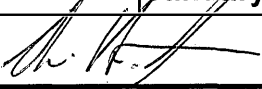
Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	0.80	7.14	1.42	0.41	7.71	1.05	1	11		0.9	4	
2	1.05	7.13	1.41	0.60	7.72	1.10	1	10		1.3	6	
3	1.04	7.14	1.41	0.59	7.72	1.03	2	14	0	1.3	6	
4	0.95	7.15	1.40	0.42	7.71	0.87	3	13	0	0.9	3	
5	0.83	7.18	1.39	0.62	7.71	1.10	2	12	0	1.3	6	
6	1.16	7.18	1.45	0.56	7.72	1.17	2	11	0	1.2	6	50
7	0.93	7.16	1.43	0.56	7.72	1.12	1	15		1.2	6	
8	0.92	7.14	1.47	0.53	7.73	1.16	3	11		1.1	6	
9	1.14	7.12	1.43	0.51	7.72	1.18	1	12	0	1.1	6	
10	1.11	7.12	1.38	0.54	7.72	1.07	2	12	0	1.1	6	
11	1.15	7.12	1.37	0.57	7.72	0.95	3	10	0	1.3	5	
12	0.96	7.12	1.38	0.58	7.72	0.96	2	13	0	1.3	5	50
13	1.15	7.09	1.40	0.60	7.73	0.97	1	10	0	1.3	6	
14	0.91	7.09	1.32	0.51	7.73	0.96	2	13		1.1	5	
15	0.91	7.09	1.34	0.49	7.73	0.95	2	10		1.0	5	
16	1.09	7.08	1.32	0.57	7.73	0.95	2	10		1.2	5	
17	1.11	7.14	1.21	0.56	7.73	0.93	2	11	0	1.2	5	50
18	0.80	7.20	1.15	0.46	7.73	1.11	2	11	0	1.0	5	
19	1.11	7.17	1.17	0.58	7.74	1.12	0	8	0	1.3	6	
20	1.10	7.16	1.18	0.55	7.74	1.09	2	4	0	1.2	6	
21	0.86	7.17	1.16	0.50	7.73	1.07	1	6		1.1	5	
22	0.90	7.17	1.17	0.63	7.74	1.06	1	7		1.4	7	
23	1.09	7.16	1.15	0.42	7.73	1.07	2	10	0	0.9	4	
24	1.08	7.17	1.15	0.68	7.73	1.07	2	11	0	1.5	7	
25	0.93	7.18	1.15	0.55	7.73	1.07	2	11	0	1.3	6	
26	1.01	7.23	1.15	0.54	7.73	1.07	2	10	0	1.2	6	
27	0.22	7.24	1.06	0.37	7.73	1.08	1	10	0	0.8	4	50
28	0.82	7.24	1.16	0.54	7.73	1.06	1	4		1.2	6	
29	1.03	7.23	1.16	0.61	7.73	1.06	2	8		1.3	6	
30	1.07	7.23	1.16	0.44	7.73	1.07	2	11	0	1.0	5	
31	0.98	7.23	1.15	0.60	7.73	1.05	1	12	550	1.3	6	
Summary	30.23	7.16	1.06	16.71	7.73	0.87	50	321	550	36	172	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	86 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	492 gallons
NaF	Sodium fluoride	fluoridation		750 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:	0.87

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	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): <b>January, 2017</b>			
Signature:		February 2, 2017	

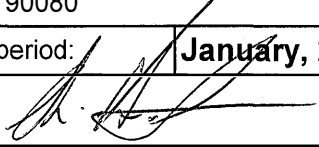
Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.80	0.00	0.00	0.80	0.00	0.41	0.41	1.21
2	0.62	0.43	0.00	1.05	0.00	0.60	0.60	1.65
3	0.60	0.44	0.00	1.04	0.00	0.59	0.59	1.63
4	0.70	0.25	0.00	0.95	0.00	0.42	0.42	1.37
5	0.34	0.01	0.47	0.83	0.00	0.62	0.62	1.45
6	0.00	0.27	0.89	1.16	0.00	0.56	0.56	1.73
7	0.00	0.26	0.67	0.93	0.00	0.56	0.56	1.49
8	0.00	0.00	0.92	0.92	0.00	0.53	0.53	1.45
9	0.00	0.52	0.62	1.14	0.00	0.51	0.51	1.65
10	0.00	0.40	0.71	1.11	0.00	0.54	0.54	1.65
11	0.00	0.48	0.67	1.15	0.00	0.57	0.57	1.72
12	0.00	0.23	0.73	0.96	0.00	0.58	0.58	1.54
13	0.00	0.27	0.88	1.15	0.00	0.60	0.60	1.75
14	0.00	0.21	0.70	0.91	0.00	0.51	0.51	1.42
15	0.00	0.00	0.91	0.91	0.00	0.49	0.49	1.40
16	0.00	0.19	0.90	1.09	0.00	0.57	0.57	1.66
17	0.48	0.14	0.50	1.11	0.00	0.56	0.56	1.67
18	0.80	0.00	0.00	0.80	0.00	0.46	0.46	1.26
19	0.93	0.00	0.18	1.11	0.00	0.58	0.58	1.69
20	0.73	0.00	0.38	1.10	0.00	0.55	0.55	1.66
21	0.67	0.00	0.19	0.86	0.00	0.50	0.50	1.36
22	0.90	0.00	0.00	0.90	0.00	0.63	0.63	1.53
23	0.58	0.20	0.31	1.09	0.00	0.42	0.42	1.52
24	0.57	0.17	0.34	1.08	0.00	0.68	0.68	1.77
25	0.62	0.00	0.31	0.93	0.00	0.55	0.55	1.48
26	0.70	0.00	0.31	1.01	0.00	0.54	0.54	1.54
27	0.22	0.00	0.00	0.22	0.00	0.37	0.37	0.59
28	0.77	0.00	0.05	0.82	0.00	0.54	0.54	1.36
29	0.71	0.00	0.32	1.03	0.00	0.61	0.61	1.64
30	0.69	0.00	0.38	1.07	0.00	0.44	0.44	1.51
31	0.58	0.00	0.40	0.98	0.00	0.60	0.60	1.58
Sum	13.02	4.46	12.74	30.23	0.00	16.71	16.71	46.94

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		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, 2017	Date	GAUD mg/L
Signature: 	2/2/2017	1-13-17/10:40	0.68
		Location	HETL mg/L
		Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.80	31	0.67	0.71
2	1.05	45	0.72	0.78
3	1.04	37	0.64	0.65
4	0.95	37	0.48	0.70
5	0.83	36	0.71	0.79
6	1.16	53	0.72	0.81
7	0.93	40	0.70	0.79
8	0.92	41	0.70	0.81
9	1.14	48	0.67	0.75
10	1.11	50	0.68	0.80
11	1.15	48	0.68	0.74
12	0.96	42	0.68	0.80
13	1.15	49	0.67	0.77
14	0.91	38	0.65	0.76
15	0.91	40	0.63	0.80
16	1.09	57	0.72	0.94
17	1.11	56	0.69	0.90
18	0.80	44	0.69	1.00
19	1.11	57	0.65	0.92
20	1.10	57	0.68	0.92
21	0.86	44	0.74	0.93
22	0.90	50	0.70	1.00
23	1.09	55	0.68	0.90
24	1.08	58	0.64	0.96
25	0.93	55	0.74	1.06
26	1.01	59	0.76	1.05
27	0.22	5	0.72	0.41
28	0.82	0	0.11	0.00
29	1.03	0	0.10	0.00
30	1.07	0	0.10	0.00
31	0.98	79	0.51	1.45
<b>Avg</b>	<b>0.98</b>	<b>42.33</b>	<b>0.62</b>	<b>0.77</b>
<b>Min</b>	<b>0.22</b>	<b>0.00</b>	<b>0.10</b>	<b>0.00</b>
<b>Max</b>	<b>1.16</b>	<b>78.84</b>	<b>0.76</b>	<b>1.45</b>
<b>Total</b>	<b>30.23</b>	<b>1,312.17</b>		

Operating comments

Fluoride off for saturator cleaning 1/28 to 1/30

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		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:	January, 2017	Date	GAUD mg/L
Signature: 	2/2/2017	1-13-17/11:20	0.72
		Location	HETL mg/L
		Riverside Station	0.8

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.41	15	0.67	0.65
2	0.60	23	0.68	0.69
3	0.59	23	0.71	0.70
4	0.42	16	0.72	0.69
5	0.62	23	0.73	0.67
6	0.56	20	0.70	0.64
7	0.56	21	0.70	0.67
8	0.53	20	0.70	0.68
9	0.51	20	0.70	0.71
10	0.54	20	0.70	0.67
11	0.57	21	0.70	0.66
12	0.58	20	0.70	0.62
13	0.60	23	0.70	0.69
14	0.51	19	0.70	0.67
15	0.49	18	0.71	0.66
16	0.57	22	0.71	0.69
17	0.56	19	0.70	0.62
18	0.46	18	0.71	0.70
19	0.58	21	0.71	0.65
20	0.55	21	0.71	0.68
21	0.50	19	0.69	0.69
22	0.63	24	0.63	0.69
23	0.42	16	0.71	0.68
24	0.68	26	0.71	0.68
25	0.55	21	0.70	0.68
26	0.54	21	0.71	0.71
27	0.37	11	0.73	0.54
28	0.54	20	0.67	0.66
29	0.61	23	0.71	0.68
30	0.44	17	0.72	0.69
31	0.60	23	0.70	0.69
<b>Avg</b>	<b>0.54</b>	<b>20.13</b>	<b>0.70</b>	<b>0.67</b>
<b>Min</b>	<b>0.37</b>	<b>11.00</b>	<b>0.63</b>	<b>0.54</b>
<b>Max</b>	<b>0.68</b>	<b>26.00</b>	<b>0.73</b>	<b>0.71</b>
<b>Total</b>	<b>16.71</b>	<b>624.00</b>		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine



Reporting month: January, 2017

Reporting date: 2/2/2017

Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
1/1/2017	62,400	1.60	0.4	
1/2/2017	0			no consumption
1/3/2017	61,000	1.58	0.4	
1/4/2017	113,700	1.52	0.8	
1/5/2017	68,100	1.53	0.5	
1/6/2017	60,500	1.59	0.4	
1/7/2017	0			no consumption
1/8/2017	58,700	1.48	0.4	
1/9/2017	65,800	1.54	0.4	
1/10/2017	68,600	1.49	0.5	
1/11/2017	69,900	1.46	0.4	
1/12/2017	64,700	1.43	0.5	
1/13/2017	65,300	1.41	0.4	
1/14/2017	51,800	1.45	0.3	
1/15/2017	0			no consumption
1/16/2017	64,600	1.39	0.5	
1/17/2017	75,700	1.38	0.5	
1/18/2017	74,600	1.49	0.5	
1/19/2017	63,600	1.54	0.5	
1/20/2017	63,100	1.56	0.5	
1/21/2017	0			no consumption
1/22/2017	57,500	1.41	0.4	
1/23/2017	68,800	1.46	0.5	
1/24/2017	63,900	1.47	0.5	
1/25/2017	73,500	1.65	0.6	
1/26/2017	63,600	1.64	0.5	
1/27/2017	66,100	1.69	0.4	
1/28/2017	0			no consumption
1/29/2017	59,300	1.64	0.4	
1/30/2017	68,500	1.66	0.5	
1/31/2017	68,200	1.71	0.5	
Sum	1,741,500		12.3	
Average	56,177	1.5	0.5	
Max		1.7		

Brian Tarbuck, General Manager  
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair  
kknight@greateraugustautilitydistrict.org

Dave Bustin, Hallowell voting member, Clerk  
dbustin@greateraugustautilitydistrict.org

Bob Corey, Treasurer  
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert  
khebert@greateraugustautilitydistrict.org



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12 Williams Street  
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drollins@greateraugustautilitydistrict.org

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cwarren@greateraugustautilitydistrict.org

March 10, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of February, 2017.

You should find the following documents:

1. Total Coliform Monitoring Report;
2. Operating report;
3. Water production report;
4. Triangle fluoridation report;
5. Riverside fluoridation report, and;
6. Togus disinfection station report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Tarbuck", written over a white background.


Brian Tarbuck, PE, System Class IV 2026



**Bacteriological Report Form**

Utility: Greater Augusta Utility District, PWSID ME0090080  
 Greater Augusta Utility District Laboratory, ME00012

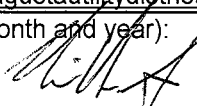
I hereby certify that this report is true and correct and that the bacterial analyses reported herein were performed in accordance with the Standard Methods for Water Analysis.

  
 June Mooney, Water Quality Specialist

Number of samples required	15
Number of samples taken for compliance	26
Number of quality control samples	1
Number of positive samples	0

February 2017

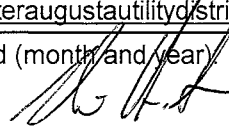
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl <sub>2</sub>	Total Cl <sub>2</sub>	Ortho PO <sub>4</sub>	Cond. Us/cm	Fluoride (mg/l)	Set up by:	Date & time	Coliform		Method		Lauryl Tryptose			
												Present/Absent	MF/COLILERT	24 hr	48 hr	bril. green	EC 44.5c	HPC 48 hr	
1	WESTERN STA.	DIS	MOONEY	2-1-17/11:10	0.81	0.81	0.48	356	0.59	MOONEY	2-2-17/9:00	A	COLILERT						
2	TRIANGLE WELLHOUSE	DIS	MOONEY	2-1-16/11:30	1.10	1.07	0.47	360	0.71	MOONEY	2-2-17/9:00	A	COLILERT						
3	NORTHWEST STA.	DIS	MOONEY	2-1-17/12:00	0.94	0.93	0.55	377	0.85	MOONEY	2-2-17/9:00	A	COLILERT						
4	RIVERSIDE WELLHOUSE	DIS	MOONEY	2-1-17/12:30	1.12	1.12	0.67	307	0.85	MOONEY	2-2-17/9:00	A	COLILERT						
5	12 WILLIAMS ST.	DIS	MOONEY	2-1-17/1:20	0.67	0.67	0.72	304	0.71	MOONEY	2-2-17/9:00	A	COLILERT						
6	HOSPITAL ST. STA.	DIS	MOONEY	2-1-17/1:45	0.76	0.76	0.74	302	0.67	MOONEY	2-2-17/9:00	A	COLILERT						
7	TRIANGLE WELLHOUSE	DIS	MOONEY	2-8-17/10:45	1.07	1.06	0.43	362	0.60	MOONEY	2-8-17/2:45	A	COLILERT						
8	RIVERSIDE WELLHOUSE	DIS	MOONEY	2-8-17/11:35	1.01	1.01	0.82	306	<2	MOONEY	2-8-17/2:45	A	COLILERT						
9	TOGUS STA.	DIS	MOONEY	2-8-17/12:15	0.58	0.56	0.45	299	0.64	MOONEY	2-8-17/2:45	A	COLILERT						
10	12 WILLIAMS ST.	DIS	MOONEY	2-9-17/9:25	0.60	0.62	0.71	301	0.66	MOONEY	2-9-17/11:45	A	COLILERT						
11	HOSPITAL ST. STA.	DIS	MOONEY	2-9-17/9:45	0.46	0.47	0.77	314	0.42	MOONEY	2-9-17/11:45	A	COLILERT						
12	WESTERN STA.	DIS	MOONEY	2-14-17/12:05	0.79	0.79	0.54	367	0.57	MOONEY	2-15-17/8:00	A	COLILERT						
13	TRIANGLE WELLHOUSE	DIS	MOONEY	2-14-17/12:25	1.06	1.05	0.45	367	0.56	MOONEY	2-15-17/8:00	A	COLILERT						
14	NORTHWEST STA.	DIS	MOONEY	2-14-17/12:50	0.97	0.94	0.49	366	0.54	MOONEY	2-15-17/8:00	A	COLILERT						
15	12 WILLIAMS ST.	DIS	MOONEY	2-14-17/1:20	0.43	0.43	0.83	305	0.64	MOONEY	2-15-17/8:00	A	COLILERT						
16	RIVERSIDE WELLHOUSE	DIS	MOONEY	2-14-17/1:50	0.95	0.95	0.68	312	0.64	MOONEY	2-15-17/8:00	A	COLILERT						
17	WILLOW ST. STA.	DIS	MOONEY	2-15-17/9:25	0.77	0.77	0.67	310	0.64	MOONEY	2-15-17/12:30	A	COLILERT						
18	HOSPITAL ST. STA.	DIS	MOONEY	2-15-17/9:50	0.80	0.80	0.73	310	0.63	MOONEY	2-15-17/12:30	A	COLILERT						
19	QUALITY INN	DIS	MOONEY	2-15-17/11:15	0.52	0.52	0.72	370	0.60	MOONEY	2-15-17/12:30	A	COLILERT						
20	WESTERN STA.	DIS	MOONEY	2-21-17/10:50	0.80	0.80	0.49	368	0.62	MOONEY	2-22-17/7:30	A	COLILERT						
21	TRIANGLE WELLHOUSE	DIS	MOONEY	2-21-17/11:40	1.05	1.04	0.60	367	<2	MOONEY	2-22-17/7:30	A	COLILERT						
22	NORTHWEST STA.	DIS	MOONEY	2-21-17/12:15	0.88	0.89	0.62	367	0.61	MOONEY	2-22-17/7:30	A	COLILERT						
23	RIVERSIDE WELLHOUSE	DIS	MOONEY	2-21-17/1:40	1.30	1.30	0.72	312	0.71	MOONEY	2-22-17/7:30	A	COLILERT						
24	MANCHESTER TOWN OFFICE	DIS	MOONEY	2-22-17/9:05	0.39	0.41	0.59	365	0.61	MOONEY	2-22-17/12:30	A	COLILERT						
25	12 WILLIAMS ST.	DIS	MOONEY	2-22-17/10:00	0.65	0.65	0.75	305	0.71	MOONEY	2-22-17/12:30	A	COLILERT						
26	HOSPITAL ST. STA.	DIS	MOONEY	2-22-17/10:15	0.77	0.77	0.74	306	0.68	MOONEY	2-22-17/12:30	A	COLILERT						
*	LAB DISTILLED WATER	QC	MOONEY	2-22-17/7:30	0.01	0.01		1.45		MOONEY	2-22-17/1:45								0:4ml

<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	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		
	<a href="mailto:btarbuck@greataugustautilitydistrict.org">btarbuck@greataugustautilitydistrict.org</a>		
Reporting period (month and year):	<b>February - 17</b>		
Signature:		3/9/2017	

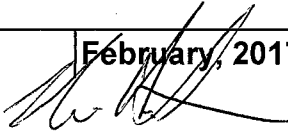
Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	0.94	7.23	1.16	0.39	7.73	1.08	0	12		0.7	4	
2	0.91	7.23	1.16	0.65	7.73	1.11	2	10		1.4	7	
3	1.03	7.22	1.17	0.73	7.73	1.11	2	12		1.6	7	50
4	0.80	7.23	1.16	0.42	7.72	1.03	2	11		1.0	4	
5	0.95	7.22	1.18	0.52	7.72	1.02	2	9		1.2	5	
6	1.20	7.22	1.16	0.54	7.71	1.01	2	12	50	1.3	5	
7	0.91	7.22	1.13	0.53	7.71	1.00	2	9		1.3	5	
8	0.96	7.21	1.14	0.48	7.71	0.99	2	10	50	1.1	4	
9	0.80	7.22	1.12	0.58	7.71	0.99	1	11		1.4	5	
10	0.95	7.22	1.14	0.54	7.71	0.98	2	9		1.3	5	
11	1.87	7.20	1.17	0.52	7.71	0.98	3	10		1.2	5	
12	1.09	7.20	1.18	0.58	7.71	1.01	3	20		1.4	5	
13	0.73	7.22	1.11	0.58	7.70	1.01	2	11		1.4	5	
14	0.94	7.21	1.14	0.53	7.70	1.01	1	8	50	1.2	5	
15	0.94	7.21	1.14	0.56	7.70	1.00	2	10		1.4	5	50
16	0.46	7.22	1.09	0.38	7.70	1.03	2	10		0.9	4	
17	1.24	7.22	1.11	0.56	7.70	1.00	1	14		1.5	5	
18	0.90	7.21	1.10	0.50	7.71	0.99	2	10		1.2	5	
19	0.81	7.22	1.09	0.60	7.71	1.02	2	9		1.5	6	
20	0.94	7.22	1.10	0.45	7.71	1.05	1	9		1.1	4	
21	1.14	7.22	1.11	0.56	7.71	1.04	2	10		1.3	5	
22	1.15	7.19	1.11	0.55	7.71	1.04	2	13		1.3	5	50
23	0.96	7.20	1.10	0.49	7.71	0.98	2	13		1.2	4	
24	1.12	7.20	1.10	0.59	7.71	0.99	2	11	50	1.5	6	
25	0.89	7.21	1.08	0.52	7.71	0.98	2	12		1.2	5	
26	0.84	7.22	1.07	0.54	7.71	0.99	1	10		1.2	5	
27	1.13	7.21	1.09	0.55	7.72	0.98	2	12		1.4	5	
28	1.20	7.21	1.12	0.53	7.72	0.96	2	10	50	1.3	5	
<b>Summary</b>	<b>27.81</b>	<b>7.21</b>	<b>1.07</b>	<b>14.94</b>	<b>7.71</b>	<b>0.96</b>	<b>51</b>	<b>306</b>	<b>250</b>	<b>35</b>	<b>140</b>	<b>150</b>
	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	87 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	447 gallons
NaF	Sodium fluoride	fluoridation		400 pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	26	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.82

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greteraugustautilityd/strict.org			
Reporting period (month and year)	<b>February, 2017</b>		
Signature:		March 9, 2017	

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	0.67	0.00	0.27	0.94	0.00	0.39	0.39	1.33
2	0.73	0.00	0.18	0.91	0.00	0.65	0.65	1.56
3	0.72	0.00	0.31	1.03	0.00	0.73	0.73	1.76
4	0.75	0.00	0.05	0.80	0.00	0.42	0.42	1.22
5	0.95	0.00	0.00	0.95	0.00	0.52	0.52	1.47
6	0.70	0.19	0.31	1.20	0.00	0.54	0.54	1.74
7	0.56	0.00	0.35	0.91	0.00	0.53	0.53	1.44
8	0.63	0.00	0.33	0.96	0.00	0.48	0.48	1.44
9	0.61	0.00	0.19	0.80	0.00	0.58	0.58	1.38
10	0.95	0.00	0.00	0.95	0.00	0.54	0.54	1.48
11	0.78	0.60	0.49	1.87	0.00	0.52	0.52	2.39
12	0.44	0.41	0.24	1.09	0.00	0.58	0.58	1.67
13	0.73	0.00	0.00	0.73	0.00	0.58	0.58	1.31
14	0.94	0.00	0.00	0.94	0.00	0.53	0.53	1.47
15	0.94	0.00	0.00	0.94	0.00	0.56	0.56	1.50
16	0.46	0.00	0.00	0.46	0.00	0.38	0.38	0.84
17	0.78	0.17	0.30	1.24	0.00	0.56	0.56	1.80
18	0.58	0.00	0.32	0.90	0.00	0.50	0.50	1.40
19	0.77	0.00	0.03	0.81	0.00	0.60	0.60	1.41
20	0.94	0.00	0.00	0.94	0.00	0.45	0.45	1.39
21	0.93	0.00	0.21	1.14	0.00	0.56	0.56	1.70
22	0.71	0.00	0.44	1.15	0.00	0.55	0.55	1.70
23	0.73	0.00	0.23	0.96	0.00	0.49	0.49	1.45
24	0.74	0.00	0.38	1.12	0.00	0.59	0.59	1.71
25	0.69	0.00	0.20	0.89	0.00	0.52	0.52	1.41
26	0.84	0.00	0.00	0.84	0.00	0.54	0.54	1.38
27	0.78	0.00	0.35	1.13	0.00	0.55	0.55	1.67
28	0.50	0.70	0.00	1.20	0.00	0.53	0.53	1.73
Sum	20.53	2.07	5.21	27.81	0.00	14.94	14.94	42.74

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		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:	<b>February, 2017</b>	Date	GAUD mg/L
Signature:	 3/10/2017	2/8/2017 10:45	0.60
		Location	HETL mg/L
		Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.94	41	0.83	0.79
2	0.91	41	0.74	0.82
3	1.03	45	0.74	0.79
4	0.80	34	0.77	0.77
5	0.95	43	0.78	0.82
6	1.20	42	0.69	0.64
7	0.91	33	0.64	0.66
8	0.96	32	0.62	0.61
9	0.80	28	0.62	0.64
10	0.95	33	0.60	0.63
11	1.87	65	0.65	0.62
12	1.09	34	0.67	0.57
13	0.73	24	0.59	0.60
14	0.94	30	0.58	0.58
15	0.94	32	0.57	0.62
16	0.46	15	0.69	0.60
17	1.24	42	0.61	0.62
18	0.90	32	0.53	0.65
19	0.81	27	0.40	0.61
20	0.94	33	0.45	0.64
21	1.14	15	1.74	0.24
22	1.15	0	1.77	0.00
23	0.96	7	0.16	0.13
24	1.12	13	0.08	0.21
25	0.89	22	0.30	0.45
26	0.84	30	0.58	0.65
27	1.13	41	0.60	0.66
28	1.20	39	0.59	0.59
<b>Avg</b>	<b>0.99</b>	<b>31.49</b>	<b>0.66</b>	<b>0.58</b>
<b>Min</b>	<b>0.46</b>	<b>0.00</b>	<b>0.08</b>	<b>0.00</b>
<b>Max</b>	<b>1.87</b>	<b>64.76</b>	<b>1.77</b>	<b>0.82</b>
<b>Total</b>	<b>27.81</b>	<b>881.58</b>		

**Operating comments**

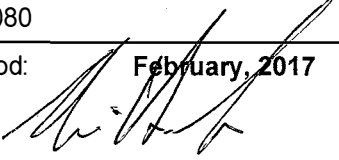
Fl system off  
2/21 thru 2/25  
inline analyzer issues

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

System Name: Greater Augusta Utility District

PWSID#: 90080

Reporting period: February, 2017

Signature:  3/9/2017

**System Information**

Treatment plant: Riverside Station

Chemical Used: Sodium Fluoride

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
2/10/2017 11:35	0.70	Riverside Station	0.8

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.39	15	0.72	0.70
2	0.65	24	0.70	0.67
3	0.73	25	0.70	0.62
4	0.42	16	0.68	0.69
5	0.52	20	0.68	0.70
6	0.54	20	0.69	0.67
7	0.53	19	0.69	0.65
8	0.48	11	0.45	0.41
9	0.58	22	0.69	0.68
10	0.54	21	0.69	0.71
11	0.52	19	0.68	0.66
12	0.58	22	0.71	0.68
13	0.58	23	0.67	0.71
14	0.53	19	0.67	0.65
15	0.56	19	0.67	0.61
16	0.38	14	0.67	0.66
17	0.56	21	0.70	0.68
18	0.50	19	0.72	0.68
19	0.60	23	0.71	0.69
20	0.45	17	0.71	0.68
21	0.56	21	0.71	0.68
22	0.55	18	0.71	0.58
23	0.49	19	0.70	0.70
24	0.59	22	0.72	0.67
25	0.52	20	0.70	0.70
26	0.54	21	0.71	0.71
27	0.55	20	0.71	0.66
28	0.53	21	0.53	0.72
<b>Avg</b>	<b>0.53</b>	<b>19.68</b>	<b>0.68</b>	<b>0.66</b>
<b>Min</b>	<b>0.38</b>	<b>11.00</b>	<b>0.45</b>	<b>0.41</b>
<b>Max</b>	<b>0.73</b>	<b>25.00</b>	<b>0.72</b>	<b>0.72</b>
<b>Total</b>	<b>14.94</b>	<b>551.00</b>		

**Operating comments**

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: February, 2017

Reporting date: 3/10/2017



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
2/1/2017	67,500	1.64	0.5	
2/2/2017	67,500	1.63	0.5	
2/3/2017	65,700	1.59	0.4	
2/4/2017	0			no consumption
2/5/2017	60,000	1.64	0.5	
2/6/2017	66,800	1.78	0.5	
2/7/2017	66,900	1.66	0.4	
2/8/2017	62,200	1.65	0.5	
2/9/2017	61,800	1.68	0.5	
2/10/2017	60,900	1.70	0.4	
2/11/2017	0			no consumption
2/12/2017	60,300	1.66	0.4	
2/13/2017	59,000	1.64	0.4	
2/14/2017	59,800	1.59	0.4	
2/15/2017	61,700	1.60	0.5	
2/16/2017	63,000	2.00	0.4	
2/17/2017	56,800	1.73	0.4	
2/18/2017	0			no consumption
2/19/2017	58,600	1.68	0.4	
2/20/2017	58,800	1.60	0.4	
2/21/2017	62,600	1.58	0.5	
2/22/2017	61,600	1.66	0.4	
2/23/2017	59,900	1.53	0.5	
2/24/2017	56,800	1.52	0.4	
2/25/2017	0			no consumption
2/26/2017	59,600	1.57	0.4	
2/27/2017	66,400	1.53	0.5	
2/28/2017	67,100	1.53	0.5	
Sum	1,491,300		10.9	
Average	53,261	1.6	0.5	
Max		2.0		

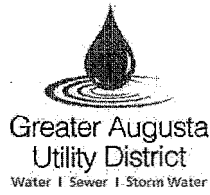
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April 10, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of March, 2017.

You should find the following documents:

1. Total Coliform Monitoring Report;
2. Operating report;
3. Water production report;
4. Triangle fluoridation report;
5. Riverside fluoridation report, and;
6. Togus disinfection station report; and
7. East Pittston (PWSID 92255) total coliform sample result.

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

Sincerely,

A handwritten signature in black ink, appearing to be "Brian Tarbuck", written over a white background.

Brian Tarbuck, PE, System Class IV 2026

**Bacteriological Report Form**

Utility: Greater Augusta Utility District, PWSID ME0090080  
Greater Augusta Utility District Laboratory, ME00012

Number of samples required	15
Number of samples taken for compliance	32
Number of quality control samples	1
Number of positive samples	0

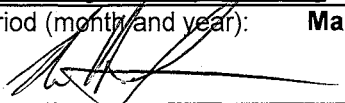
March 2017

I hereby certify that this report is true and correct and that the bacterial analyses reported herein were performed in accordance with the Standard Methods for Water Analysis.

*June Mooney*  
June Mooney, Water Quality Specialist

Seq. #	Samp. #	Location	Sam. Type	Collected by	Collection date & time	Temp (C)	pH	Free Cl <sub>2</sub>	Total Cl <sub>2</sub>	Rec'd in lab	Ortho PO4	Cond. Us/cm	Fluoride (mg/l)	Set up by:	Date & time	Coliform Present/Absent	Method MF/COLILERT HPC 48 hrs
170301	1	WESTERN STA.	DIS	MOONEY	3-1-17/10:10	7.0	7.6	0.70	0.71	3-1-17/2:30	0.54	368	0.53	MOONEY	3-2-17/8:00	A	COLILERT
170302	2	TRIANGLE WELLHOUSE	DIS	MOONEY	3-1-17/10:30	11.9	7.4	1.08	1.07	3-1-17/2:30	0.42	375	0.62	MOONEY	3-2-17/8:00	A	COLILERT
170303	3	NORTHWEST STA.	DIS	MOONEY	3-1-17/10:50	8.4	7.5	0.86	0.86	3-1-17/2:30	0.62	366	0.60	MOONEY	3-2-17/8:00	A	COLILERT
170304	4	WILLOW ST. STA.	DIS	MOONEY	3-1-17/11:10	6.5	7.7	0.75	0.75	3-1-17/2:30	0.64	303	0.70	MOONEY	3-2-17/8:00	A	COLILERT
170305	5	12 WILLIAMS ST.	DIS	MOONEY	3-1-17/11:30	6.2	7.7	0.66	0.65	3-1-17/2:30	0.60	304	0.69	MOONEY	3-2-17/8:00	A	COLILERT
170306	6	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-1-17/12:45	9.3	7.5	0.96	0.97	3-1-17/2:30	0.58	304	0.68	MOONEY	3-2-17/8:00	A	COLILERT
170307	7	HOSPITAL ST. STA.	DIS	MOONEY	3-1-17/1:25	7.6	7.5	0.77	0.75	3-1-17/2:30	0.60	304	0.70	MOONEY	3-2-17/8:00	A	COLILERT
170308	8	TOGUS STA. INLET	DIS	MOONEY	3-1-17/1:55	4.5	7.5	0.64	0.63	3-1-17/2:30	0.74	303	0.70	MOONEY	3-2-17/8:00	A	COLILERT
170309	9	WESTERN STA.	DIS	MOONEY	3-7-17/10:40	7.3	7.6	0.77	0.77	3-7-17/2:30	0.53	375	0.53	MOONEY	3-8-17/7:30	A	COLILERT
170310	10	TRIANGLE WELLHOUSE	DIS	MOONEY	3-7-17/11:00	10.8	7.4	1.06	1.06	3-7-17/2:30	0.51	383	0.56	MOONEY	3-8-17/7:30	A	COLILERT
170311	11	NORTHWEST STA.	DIS	MOONEY	3-7-17/11:20	9.0	7.5	0.93	0.93	3-7-17/2:30	0.63	417	0.61	MOONEY	3-8-17/7:30	A	COLILERT
170312	12	12 WILLIAMS ST.	DIS	MOONEY	3-7-17/11:45	6.4	7.6	0.70	0.69	3-7-17/2:30	0.67	302	0.65	MOONEY	3-8-17/7:30	A	COLILERT
170313	13	HOSPITAL ST. STA.	DIS	MOONEY	3-7-17/12:00	7.1	7.6	0.75	0.73	3-7-17/2:30	0.61	306	0.67	MOONEY	3-8-17/7:30	A	COLILERT
170314	14	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-7-17/1:30	9.4	7.5	0.97	0.96	3-7-17/2:30	0.61	308	0.67	MOONEY	3-8-17/7:30	A	COLILERT
170315	15	WESTERN STA.	DIS	MOONEY	3-13-17/8:20	7.6	7.6	0.69	0.69	3-13-17/10:50	0.50	385	0.53	MOONEY	3-13-17/11:30	A	COLILERT
170316	16	TRIANGLE WELLHOUSE	DIS	MOONEY	3-13-17/8:45	11.6	7.4	1.10	1.08	3-13-17/10:50	0.44	440	0.63	MOONEY	3-13-17/11:30	A	COLILERT
170317	17	NORTHWEST STA.	DIS	MOONEY	3-13-17/9:05	10.6	7.4	0.99	0.99	3-13-17/10:50	0.48	421	0.60	MOONEY	3-13-17/11:30	A	COLILERT
170318	18	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-13-17/9:30	9.5	7.5	0.97	0.97	3-13-17/10:50	0.60	312	0.72	MOONEY	3-13-17/11:30	A	COLILERT
170319	19	HOSPITAL ST. STA.	DIS	MOONEY	3-13-17/10:10	6.7	7.5	0.79	0.77	3-13-17/10:50	0.66	307	0.60	MOONEY	3-13-17/11:30	A	COLILERT
170321	20	HOSPITAL ST. STA.	DIS	MOONEY	3-21-17/9:40	7.4	7.5	0.81	0.79	3-21-17/12:50	0.61	311	0.71	MOONEY	3-21-17/2:30	A	COLILERT
170322	21	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-21-17/10:10	10.0	7.5	0.98	0.98	3-21-17/12:50	0.64	321	0.74	MOONEY	3-21-17/2:30	A	COLILERT
170323	22	12 WILLIAMS ST.	DIS	MOONEY	3-21-17/10:50	7.0	7.6	0.60	0.61	3-21-17/12:50	0.72	306	0.68	MOONEY	3-21-17/2:30	A	COLILERT
170324	23	NORTHWEST STA.	DIS	MOONEY	3-21-17/11:20	9.0	7.4	0.95	0.95	3-21-17/12:50	0.62	385	0.64	MOONEY	3-21-17/2:30	A	COLILERT
170325	24	TRIANGLE WELLHOUSE	DIS	MOONEY	3-21-17/11:40	10.7	7.5	1.14	1.11	3-21-17/12:50	0.47	409	0.69	MOONEY	3-21-17/2:30	A	COLILERT
170326	25	WESTERN STA.	DIS	MOONEY	3-21-17/12:10	7.7	7.5	0.84	0.83	3-21-17/12:50	0.53	366	0.62	MOONEY	3-21-17/2:30	A	COLILERT
170327	26	QUALITY INN	DIS	MOONEY	3-21-17/12:35	18.8	7.4	0.57	0.57	3-21-17/12:50	0.59	386	0.57	MOONEY	3-21-17/2:30	A	COLILERT
170329	27	WESTERN STA.	DIS	MOONEY	3-28-17/9:25	7.1	7.6	0.60	0.60	3-28-17/12:50	0.45	378	0.59	MOONEY	3-28-17/2:15	A	COLILERT
170330	28	MANCHESTER TOWN OFFICE	DIS	MOONEY	3-28-17/9:45	6.6	7.6	0.36	0.36	3-28-17/12:50	0.64	395	0.48	MOONEY	3-28-17/2:15	A	COLILERT
170331	29	TRIANGLE WELLHOUSE	DIS	MOONEY	3-28-17/10:05	10.4	7.5	1.03	1.01	3-28-17/12:50	0.41	389	0.72	MOONEY	3-28-17/2:15	A	COLILERT
170332	30	NORTHWEST STA.	DIS	MOONEY	3-28-17/10:30	9.0	7.5	0.95	0.94	3-28-17/12:50	0.56	417	0.69	MOONEY	3-28-17/2:15	A	COLILERT
170333	31	12 WILLIAMS ST.	DIS	MOONEY	3-28-17/11:10	6.3	7.5	0.64	0.63	3-28-17/12:50	0.70	319	0.74	MOONEY	3-28-17/2:15	A	COLILERT
170334	32	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-28-17/11:40	9.6	7.5	1.01	1.00	3-28-17/12:50	0.06	319	0.66	MOONEY	3-28-17/2:15	A	COLILERT
170335	*	LAB DISTILLED WATER	QC	MOONEY	3-29-17/7:30	6.5	0.01	0.01	0.01	3-29-17/7:30		1.62		MOONEY	3-29-17/9:15		0:4ml

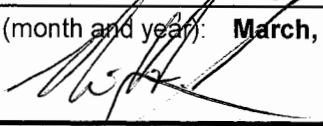


<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026	Receptacle for Triangle level sensors failed on 3/25 and 3/26. Was returned to service on 3/27.	
Reporting period (month and year): <b>March - 17</b>			
Signature:		4/10/2017	

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	1.03	7.20	1.18	0.60	7.72	0.95	1	11		1.4	5.6	
2	0.90	7.19	0.98	0.51	7.72	0.94	2	7		1.2	4.6	
3	1.15	7.19	1.22	0.58	7.72	0.95	2	8		1.4	5.5	
4	0.88	7.18	1.23	0.60	7.72	0.94	2	13		1.5	5.5	
5	0.87	7.19	1.24	0.49	7.73	0.97	2	9		1.2	4.6	
6	1.36	7.20	1.20	0.63	7.73	0.94	1	10		1.5	5.8	50
7	1.07	7.19	1.18	0.52	7.73	0.94	2	14	50	1.2	4.8	
8	1.03	7.18	1.18	0.58	7.73	0.94	2	10		1.4	5.4	
9	1.19	7.19	1.25	0.51	7.73	0.95	0	11		1.2	4.8	
10	1.02	7.15	1.23	0.51	7.73	0.94	2	12		1.3	4.8	
11	0.76	7.13	1.25	0.57	7.73	0.93	2	10		1.4	5.4	
12	1.13	7.13	1.26	0.47	7.73	0.95	2	8		1.2	4.5	
13	1.11	7.18	1.18	0.63	7.72	0.92	2	11		1.5	5.8	
14	1.62	7.23	1.10	0.66	7.72	0.93	1	11		1.6	6.1	
15	1.21	7.20	1.20	0.54	7.71	0.92	2	16		1.3	5.0	
16	0.14	7.22	1.12	0.38	7.71	0.92	3	12		0.9	3.4	
17	1.15	7.24	1.14	0.65	7.71	0.92	1	12	100	1.6	6.0	50
18	0.87	7.22	1.11	0.58	7.70	0.91	1	9		1.5	5.4	
19	0.95	7.22	1.11	0.51	7.70	0.93	2	9		1.2	4.7	
20	1.16	7.21	1.15	0.64	7.70	0.91	2	10		1.6	5.8	
21	0.99	7.20	1.23	0.48	7.69	0.93	2	12		1.2	4.5	
22	1.14	7.21	1.24	0.70	7.69	0.92	1	11		1.7	6.3	
23	1.22	7.21	1.18	0.51	7.69	0.93	3	14		1.3	4.7	
24	0.84	7.13	1.09	0.58	7.68	0.91	3	3		1.4	5.3	50
25	0.84	7.21	1.19	0.55	7.68	0.93				1.4	5.1	
26	1.05	7.21	1.21	0.52	7.68	0.92				1.3	4.9	
27	1.01	7.22	1.09	0.59	7.68	0.93	2	7	50	1.4	5.5	50
28	1.01	7.19	1.16	0.61	7.68	0.92	2	7		1.1	4.4	
29	1.11	7.17	1.20	0.54	7.68	0.98	1	10		1.1	5.4	
30	1.27	7.17	1.14	0.63	7.68	1.04	2	11		1.5	6.1	
31	1.06	7.17	1.09	0.52	7.68	1.05	3	12	100	1.2	5.1	
<b>Summary</b>	<b>32.13</b>	<b>7.19</b>	<b>0.98</b>	<b>17.38</b>	<b>7.71</b>	<b>0.91</b>	<b>54</b>	<b>299</b>	<b>300</b>	<b>42</b>	<b>161</b>	<b>200</b>
	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	96 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	460 gallons
NaF	Sodium fluoride	fluoridation		500 pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	32	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.83

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greataugustacitydistrict.org			
Reporting period (month and year):	<b>March, 2017</b>		
Signature:		April 10, 2017	

Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.28	0.75	0.00	1.03	0.00	0.60	0.60	1.63
2	0.23	0.67	0.00	0.90	0.00	0.51	0.51	1.41
3	0.30	0.84	0.00	1.15	0.00	0.58	0.58	1.73
4	0.04	0.85	0.00	0.88	0.00	0.60	0.60	1.48
5	0.00	0.87	0.00	0.87	0.00	0.49	0.49	1.36
6	0.15	0.94	0.27	1.36	0.00	0.63	0.63	1.99
7	0.10	0.29	0.68	1.07	0.00	0.52	0.52	1.58
8	0.00	0.30	0.73	1.03	0.00	0.58	0.58	1.61
9	0.15	0.34	0.71	1.19	0.00	0.51	0.51	1.70
10	0.04	0.32	0.66	1.02	0.00	0.51	0.51	1.53
11	0.00	0.00	0.76	0.76	0.00	0.57	0.57	1.33
12	0.00	0.22	0.91	1.13	0.00	0.47	0.47	1.60
13	0.30	0.36	0.45	1.11	0.00	0.63	0.63	1.74
14	0.52	0.68	0.42	1.62	0.00	0.66	0.66	2.28
15	0.22	0.88	0.12	1.21	0.00	0.54	0.54	1.75
16	0.07	0.07	0.00	0.14	0.00	0.38	0.38	0.52
17	0.95	0.00	0.20	1.15	0.00	0.65	0.65	1.79
18	0.68	0.00	0.18	0.87	0.00	0.58	0.58	1.45
19	0.95	0.00	0.00	0.95	0.00	0.51	0.51	1.46
20	0.66	0.44	0.06	1.16	0.00	0.64	0.64	1.80
21	0.07	0.92	0.00	0.99	0.00	0.48	0.48	1.47
22	0.09	1.06	0.00	1.14	0.00	0.70	0.70	1.85
23	0.44	0.78	0.00	1.22	0.00	0.51	0.51	1.73
24	0.00	0.84	0.00	0.84	0.00	0.58	0.58	1.42
25	0.00	0.84	0.00	0.84	0.00	0.55	0.55	1.39
26	0.00	1.05	0.00	1.05	0.00	0.52	0.52	1.57
27	0.00	0.63	0.37	1.01	0.00	0.59	0.59	1.60
28	0.01	0.29	0.71	1.01	0.00	0.61	0.61	1.62
29	0.00	0.18	0.92	1.11	0.00	0.54	0.54	1.65
30	0.00	0.54	0.73	1.27	0.00	0.63	0.63	1.90
31	0.36	0.03	0.67	1.06	0.00	0.52	0.52	1.57
Sum	6.61	15.98	9.54	32.13	0.00	17.38	17.38	49.51

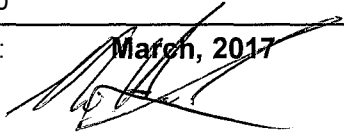
Average 1.60

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		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:	March, 2017	Date	GAUD mg/L
Signature:	4/10/2017	3/21/2017 11:40	0.69
		Location	HETL mg/L
		Triangle Station	0.8

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.03	35	0.63	0.62
2	0.90	33	0.60	0.67
3	1.15	39	0.60	0.62
4	0.88	28	0.61	0.58
5	0.87	30	0.62	0.63
6	1.36	49	0.59	0.64
7	1.07	31	0.57	0.53
8	1.03	35	0.59	0.62
9	1.19	41	0.61	0.63
10	1.02	37	0.66	0.66
11	0.76	29	0.64	0.70
12	1.13	42	0.65	0.66
13	1.11	40	0.63	0.65
14	1.62	63	0.61	0.69
15	1.21	46	0.68	0.68
16	0.14	5	0.71	0.63
17	1.15	45	0.66	0.70
18	0.87	33	0.69	0.69
19	0.95	39	0.66	0.75
20	1.16	51	0.71	0.79
21	0.99	42	0.79	0.75
22	1.14	42	0.30	0.67
23	1.22	44	0.41	0.66
24	0.84	37	0.65	0.81
25	0.84	37	0.72	0.80
26	1.05	49	0.83	0.83
27	1.01	40	0.66	0.72
28	1.01	37	0.66	0.67
29	1.11	49	0.67	0.79
30	1.27	48	0.67	0.69
31	1.06	36	0.68	0.62
<b>Avg</b>	<b>1.04</b>	<b>39.23</b>	<b>0.64</b>	<b>0.68</b>
<b>Min</b>	<b>0.14</b>	<b>5.05</b>	<b>0.30</b>	<b>0.53</b>
<b>Max</b>	<b>1.62</b>	<b>62.66</b>	<b>0.83</b>	<b>0.83</b>
<b>Total</b>	<b>32.13</b>	<b>1,216.28</b>		

**Operating comments**

Biannual service on Hach CA610 continuous fluoride analyzer

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		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:	March, 2017	Date	GAUD mg/L
Signature:		3/21/2017 10:10	0.74
	4/10/2017	Location	Riverside Station
		HETL mg/L	0.8

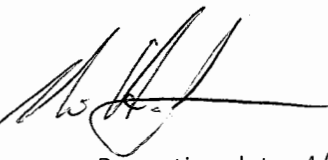
Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.60	23	0.64	0.69
2	0.51	19	0.68	0.67
3	0.58	22	0.68	0.68
4	0.60	22	0.68	0.66
5	0.49	19	0.72	0.70
6	0.63	22	0.68	0.63
7	0.52	20	0.67	0.70
8	0.58	22	0.68	0.68
9	0.51	21	0.71	0.74
10	0.51	22	0.75	0.78
11	0.57	25	0.77	0.78
12	0.47	20	0.80	0.76
13	0.63	27	0.78	0.77
14	0.66	28	0.77	0.77
15	0.54	24	0.75	0.80
16	0.38	16	0.77	0.76
17	0.65	25	0.77	0.70
18	0.58	26	0.77	0.80
19	0.51	21	0.80	0.74
20	0.64	27	0.82	0.76
21	0.48	21	0.83	0.79
22	0.70	29	0.78	0.74
23	0.51	22	0.76	0.78
24	0.58	23	0.77	0.71
25	0.55	23	0.78	0.76
26	0.52	22	0.79	0.76
27	0.59	23	0.84	0.70
28	0.61	25	0.81	0.74
29	0.54	19	0.68	0.63
30	0.63	23	0.70	0.66
31	0.52	19	0.71	0.66
<b>Avg</b>	<b>0.56</b>	<b>22.58</b>	<b>0.74</b>	<b>0.73</b>
<b>Min</b>	<b>0.38</b>	<b>16.00</b>	<b>0.64</b>	<b>0.63</b>
<b>Max</b>	<b>0.70</b>	<b>29.00</b>	<b>0.84</b>	<b>0.80</b>
<b>Total</b>	<b>17.38</b>	<b>700.00</b>		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine



Reporting month: March, 2017

Reporting date: 4/10/2017

Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
3/1/2017	62,000	1.56	0.5	
3/2/2017	63,900	1.47	0.5	
3/3/2017	61,900	1.50	0.5	
3/4/2017	0			no consumption
3/5/2017	64,700	1.54	0.5	
3/6/2017	60,400	1.49	0.5	
3/7/2017	63,000	1.51	0.5	
3/8/2017	61,500	1.49	0.5	
3/9/2017	60,200	1.48	0.5	
3/10/2017	59,800	1.47	0.5	
3/11/2017	0			no consumption
3/12/2017	59,000	1.46	0.4	
3/13/2017	65,100	1.45	0.5	
3/14/2017	58,600	1.46	0.5	
3/15/2017	57,700	1.48	0.4	
3/16/2017	64,800	1.47	0.5	
3/17/2017	131,900	1.47	0.9	
3/18/2017	0			no consumption
3/19/2017	61,100	1.49	0.5	
3/20/2017	68,200	1.42	0.5	
3/21/2017	72,800	1.41	0.6	
3/22/2017	69,700	1.41	0.5	
3/23/2017	66,800	1.54	0.5	
3/24/2017	67,800	1.51	0.5	
3/25/2017	35,500	1.38	0.2	
3/26/2017	23,000	1.49	0.1	
3/27/2017	69,200	1.44	0.5	
3/28/2017	72,800	1.65	0.6	
3/29/2017	70,800	1.63	0.5	
3/30/2017	72,100	1.54	0.5	
3/31/2017	71,500	1.63	0.6	
Sum	1,815,800		13.8	
Average	58,574	1.5	0.5	
Max		1.6		

# MAINE DRINKING WATER PROGRAM

## TOTAL COLIFORM BACTERIA RESULTS

*Please read the sampling instructions on the back of this form. Sample Collector must fill out shaded sections.*

*For small water systems taking less than 10 samples per month.*

Water Test Results for the Month:

March

Year:

2017

Public Water System Information	
System's name:	East Pittston H <sub>2</sub> O
Sampler's phone #:	242-6252
PWSID#:	92255
Address:	1200 East Pittston Road Pittston, Maine 04345
Sample Category (1):	Bact.
Sampler's name:	Bill Wilkerson

Laboratory Information	
Lab name:	Greater Augusta Utility District
Lab certification:	ME 00012
Lab mgr. name:	Jane Mooney
Lab phone #:	623-4633 x 4263

#	Sample collection point	Date & time sample was taken	Laboratory sample ID #	Date & time sample was processed	Total Coliform count	Noncoliform count (Mem. filtration only)	Fecal coliform or E. Coli (2)	EPA/STD Method
1	Village Store	3/20 1745	170320	3/20/17 @ 8:50	0			9223B
2								
3								
4								

I (we) understand this report will be submitted to the Maine Drinking Water Program.

Sampler's Signature:

Bill Wilkerson

Laboratory signature:

Jane Mooney

- (1) Routine Compliance, Recheck, Operation & Maintenance, Raw Water, or Special Purpose.  
 (2) Fecal Coliform or E. Coli analysis must be performed on all Coliform positive samples.

Rev:  
12/98

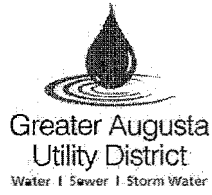
Brian Tarbuck, General Manager  
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair  
kknight@greateraugustautilitydistrict.org

Dave Bustin, Hallowell voting member, Clerk  
dbustin@greateraugustautilitydistrict.org

Bob Corey, Treasurer  
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert  
khebert@greateraugustautilitydistrict.org



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Cecil Munson  
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Dave Rollins, Augusta ex-officio member  
drollins@greateraugustautilitydistrict.org

Bradley Sawyer  
bsawyer@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell ex-officio member  
cwarren@greateraugustautilitydistrict.org

May 10, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of April, 2017.

You should find the following documents:

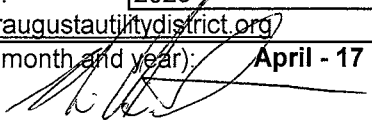
1. Operating report;
2. Water production report;
3. Triangle fluoridation report;
4. Riverside fluoridation report, and;
5. Togus disinfection station report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Tarbuck", written over a white background.

Brian Tarbuck, PE, System Class IV 2026

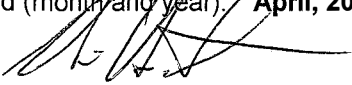
<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):	<b>April - 17</b>		
Signature:		5/10/2017	

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	0.72	7.12	1.12	0.64	7.69	1.09	1	7		1.5	6	
2	1.03	7.14	1.13	0.50	7.69	1.07	1	11		1.2	5	
3	1.05	7.18	1.10	0.55	7.68	1.03	1	11		1.3	5	50
4	0.94	7.25	1.01	0.59	7.69	1.07	2	11		1.4	6	
5	1.04	7.24	0.99	0.73	7.68	0.92	2	10		1.7	6	
6	1.05	7.22	1.00	0.41	7.68	0.96	-2	11		1.0	4	
7	0.97	7.22	1.01	0.47	7.68	0.94	1	11	50	1.2	4	
8	0.82	7.23	1.00	0.63	7.69	0.97	2	10		1.5	6	
9	1.05	7.22	1.01	0.51	7.69	1.00	2	9		1.2	5	
10	0.93	7.21	1.01	0.66	7.69	0.98	2	11		1.5	6	50
11	1.28	7.20	1.03	0.45	7.69	0.92	2	10		1.0	4	
12	1.02	7.21	1.02	0.63	7.69	0.92	2	1		1.5	5	
13	1.02	7.21	1.06	0.61	7.70	0.94	2	9		1.4	5	
14	1.08	7.21	1.11	0.55	7.70	0.93	2	9	50	1.3	5	
15	0.91	7.21	1.13	0.54	7.70	0.93	1	13		1.3	5	
16	0.82	7.21	1.12	0.56	7.70	0.94	1	7		1.3	5	
17	1.03	7.22	1.15	0.51	7.70	0.93	1	10		1.2	5	
18	1.10	7.21	1.13	0.55	7.70	0.93	3	11		1.3	5	
19	1.12	7.20	1.13	0.56	7.70	0.93	3	11		1.3	5	50
20	1.01	7.21	1.13	0.58	7.69	0.94	4	12		1.4	5	
21	1.05	7.21	1.11	0.51	7.69	0.95	2	10	100	1.2	4	
22	0.76	7.22	1.10	0.57	7.69	0.91	2	11		1.4	5	
23	0.94	7.21	1.11	0.47	7.69	0.87	1	8		1.1	4	
24	1.15	7.21	1.12	0.55	7.69	0.92	2	10		1.3	5	
25	0.97	7.21	1.11	0.59	7.70	0.91	4	13		1.4	5	50
26	1.13	7.20	1.11	0.58	7.70	0.89	1	6		1.4	5	
27	1.08	7.20	1.10	0.60	7.69	0.88	1	0		1.4	5	
28	1.14	7.20	1.12	0.44	7.69	0.96	2	7	50	1.1	4	
29	0.84	7.21	1.10	0.63	7.68	0.91	2	13		1.5	5	
30	0.95	7.22	1.13	0.56	7.68	0.92	2	9		1.3	5	
Summary	<b>30.02</b>	<b>7.21</b>	<b>0.99</b>	<b>16.75</b>	<b>7.69</b>	<b>0.87</b>	<b>52</b>	<b>282</b>	<b>250</b>	<b>40</b>	<b>149</b>	<b>200</b>
	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	92	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	431	gallons
NaF	Sodium fluoride	fluoridation		450	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	20	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.81



<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	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):	<b>April, 2017</b>		
Signature:		May 10, 2017	

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	0.72	0.72	0.00	0.64	0.64	1.36
2	0.12	0.00	0.91	1.03	0.00	0.50	0.50	1.53
3	0.41	0.00	0.64	1.05	0.00	0.55	0.55	1.59
4	0.94	0.00	0.00	0.94	0.00	0.59	0.59	1.54
5	0.95	0.00	0.09	1.04	0.00	0.73	0.73	1.78
6	0.70	0.00	0.35	1.05	0.00	0.41	0.41	1.46
7	0.71	0.00	0.26	0.97	0.00	0.47	0.47	1.44
8	0.82	0.00	0.00	0.82	0.00	0.63	0.63	1.45
9	0.91	0.00	0.15	1.05	0.00	0.51	0.51	1.56
10	0.64	0.00	0.29	0.93	0.00	0.66	0.66	1.60
11	0.82	0.00	0.45	1.28	0.00	0.45	0.45	1.73
12	0.64	0.00	0.38	1.02	0.00	0.63	0.63	1.65
13	0.71	0.00	0.31	1.02	0.00	0.61	0.61	1.63
14	0.80	0.00	0.28	1.08	0.00	0.55	0.55	1.63
15	0.66	0.00	0.24	0.91	0.00	0.54	0.54	1.45
16	0.82	0.00	0.00	0.82	0.00	0.56	0.56	1.38
17	0.97	0.00	0.07	1.03	0.00	0.51	0.51	1.54
18	0.76	0.00	0.34	1.10	0.00	0.55	0.55	1.65
19	0.74	0.00	0.37	1.12	0.00	0.56	0.56	1.68
20	0.76	0.00	0.25	1.01	0.00	0.58	0.58	1.59
21	0.71	0.00	0.34	1.05	0.00	0.51	0.51	1.56
22	0.76	0.00	0.00	0.76	0.00	0.57	0.57	1.33
23	0.78	0.00	0.15	0.94	0.00	0.47	0.47	1.41
24	0.95	0.00	0.20	1.15	0.00	0.55	0.55	1.70
25	0.96	0.00	0.01	0.97	0.00	0.59	0.59	1.56
26	0.83	0.00	0.30	1.13	0.00	0.58	0.58	1.71
27	0.68	0.00	0.41	1.08	0.00	0.60	0.60	1.69
28	0.71	0.00	0.43	1.14	0.00	0.44	0.44	1.59
29	0.66	0.00	0.18	0.84	0.00	0.63	0.63	1.47
30	0.95	0.00	0.00	0.95	0.00	0.56	0.56	1.52
Sum	21.88	0.00	8.14	30.02	0.00	16.75	16.75	46.77

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

**System Information**

System Name: **Greater Augusta Utility District**

Treatment plant: **Riverside Station**  
 Chemical Used: **Sodium Fluoride**

PWSID#: 90080

Reporting period: **April, 2017**

Notes: See notes below for specific operating conditions.

Signature:  5/10/2017

Date	GAUD mg/L	Location	HETL mg/L
4/7/2017 0:00	0.69	Riverside Station	0.70

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.64	24	0.71	0.68
2	0.50	18	0.70	0.65
3	0.55	18	0.73	0.59
4	0.59	22	0.73	0.67
5	0.73	27	0.70	0.66
6	0.41	15	0.75	0.66
7	0.47	17	0.72	0.65
8	0.63	24	0.72	0.69
9	0.51	18	0.70	0.64
10	0.66	22	0.72	0.60
11	0.45	16	0.72	0.64
12	0.63	23	0.65	0.66
13	0.61	22	0.71	0.65
14	0.55	21	0.68	0.69
15	0.54	20	0.61	0.66
16	0.56	21	0.66	0.67
17	0.51	19	0.63	0.67
18	0.55	21	0.64	0.68
19	0.56	18	0.56	0.57
20	0.58	22	0.72	0.68
21	0.51	18	0.70	0.64
22	0.57	21	0.66	0.66
23	0.47	18	0.81	0.69
24	0.55	20	0.65	0.66
25	0.59	19	0.60	0.58
26	0.58	22	0.94	0.68
27	0.60	23	0.89	0.69
28	0.44	16	0.62	0.65
29	0.63	24	0.61	0.69
30	0.56	21	0.75	0.67
<b>Avg</b>	<b>0.56</b>	<b>20.33</b>	<b>0.70</b>	<b>0.66</b>
<b>Min</b>	<b>0.41</b>	<b>15.00</b>	<b>0.56</b>	<b>0.57</b>
<b>Max</b>	<b>0.73</b>	<b>27.00</b>	<b>0.94</b>	<b>0.69</b>
<b>Total</b>	<b>16.75</b>	<b>610.00</b>		

**Operating comments**

Hach CA610 analyzer erratic

Hach CA610 analyzer erratic  
 Switched to ATI Q46 F- analyzer today

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

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **April, 2017**

Signature:  5/10/2017

**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
4/7/2017 13:30	0.83	Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.72	36	0.68	0.90
2	1.03	40	0.67	0.71
3	1.05	43	0.67	0.73
4	0.94	45	0.73	0.85
5	1.04	41	0.67	0.72
6	1.05	45	0.69	0.78
7	0.97	38	0.40	0.71
8	0.82	31	0.34	0.69
9	1.05	33	0.00	0.57
10	0.93	16	0.00	0.31
11	1.28	0	0.00	0.00
12	1.02	33	0.34	0.59
13	1.02	40	0.68	0.71
14	1.08	42	0.69	0.71
15	0.91	42	0.70	0.84
16	0.82	36	0.65	0.80
17	1.03	43	0.70	0.74
18	1.10	47	0.67	0.76
19	1.12	43	0.69	0.70
20	1.01	45	0.63	0.81
21	1.05	43	0.71	0.74
22	0.76	35	0.64	0.84
23	0.94	36	0.65	0.70
24	1.15	46	0.65	0.71
25	0.97	48	0.62	0.88
26	1.13	43	0.62	0.69
27	1.08	46	0.65	0.77
28	1.14	43	0.68	0.68
29	0.84	44	0.64	0.93
30	0.95	37	0.59	0.71
<b>Avg</b>	<b>1.00</b>	<b>38.85</b>	<b>0.57</b>	<b>0.71</b>
<b>Min</b>	<b>0.72</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Max</b>	<b>1.28</b>	<b>47.54</b>	<b>0.73</b>	<b>0.93</b>
<b>Total</b>	<b>30.02</b>	<b>1,165.55</b>		

Operating comments

Hach CA610 dropped off, fluoride system off

Hach technicians repair CA610 fluoride system returned to service

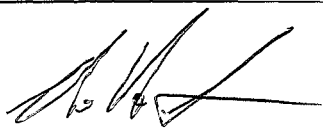
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: April, 2017

Reporting date: 5/10/2017



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
4/1/2017	61,800	1.50	0.4	
4/2/2017	59,700	1.51	0.5	
4/3/2017	64,700	1.53	0.5	
4/4/2017	66,800	1.66	0.5	
4/5/2017	66,400	1.53	0.5	
4/6/2017	64,100	1.41	0.4	
4/7/2017	60,800	1.33	0.5	
4/8/2017	0			no consumption
4/9/2017	61,900	1.16	0.4	
4/10/2017	77,800	1.22	0.6	
4/11/2017	65,400	1.17	0.5	
4/12/2017	63,800	1.41	0.5	
4/13/2017	69,600	1.35	0.5	
4/14/2017	60,100	1.46	0.5	
4/15/2017	35,800	1.48	0.3	
4/16/2017	0			no consumption
4/17/2017	70,300	1.51	0.6	
4/18/2017	69,400	1.47	0.5	
4/19/2017	72,000	1.46	0.5	
4/20/2017	69,600	1.41	0.5	
4/21/2017	67,000	1.39	0.5	
4/22/2017	0			no consumption
4/23/2017	62,200	1.34	0.4	
4/24/2017	66,700	1.36	0.5	
4/25/2017	70,700	1.36	0.5	
4/26/2017	71,000	1.37	0.5	
4/27/2017	66,900	1.32	0.5	
4/28/2017	62,100	1.32	0.5	
4/29/2017	0			no consumption
4/30/2017	59,100	1.32	0.4	
5/1/2017	0			no consumption
Sum	1,685,700		12.4	
Average	54,377	1.4	0.5	
Max		1.7		

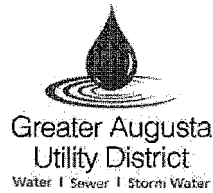
Brian Tarbuck, General Manager  
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair  
kknight@greateraugustautilitydistrict.org

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cwarren@greateraugustautilitydistrict.org

June 10, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of May, 2017.

You should find the following documents:

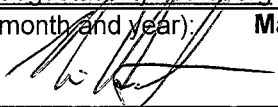
1. Operating report;
2. Water production report;
3. Triangle fluoridation report;
4. Riverside fluoridation report, and;
5. Togus disinfection station report.

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

Sincerely,

A handwritten signature in black ink, appearing to be "Brian Tarbuck", written over a white background.

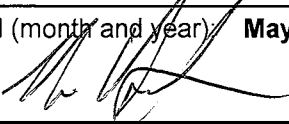
Brian Tarbuck, PE, System Class IV 2026

<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	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		
Reporting period (month and year): <b>May - 17</b>			
Signature:		6/10/2017	

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	0.96	7.21	1.14	0.49	7.67	0.95	2	11	100	1.1	4	
2	1.01	7.21	1.12	0.59	7.67	0.91	2	11		1.4	5	
3	1.14	7.18	1.12	0.59	7.67	0.89	1	11		1.4	5	
4	1.14	7.15	1.20	0.52	7.67	0.90	2	13		1.2	5	
5	1.02	7.15	1.19	0.58	7.66	0.89	2	11		1.4	5	50
6	1.02	7.17	1.24	0.49	7.66	0.87	2	11		1.2	4	
7	0.90	7.16	1.32	0.57	7.66	0.87	1	11		1.4	5	
8	1.20	7.16	1.33	0.50	7.66	0.89	2	10		1.2	4	
9	1.09	7.16	1.22	0.61	7.67	0.88	2	13		1.5	5	
10	1.24	7.15	1.23	0.42	7.67	0.93	2	12		0.9	4	
11	1.10	7.16	1.22	0.78	7.67	0.90	3	11	100	1.8	7	
12	1.04	7.15	1.25	0.49	7.66	0.87	2	9		1.1	4	50
13	1.13	7.16	1.21	0.53	7.66	0.86	2	11		1.3	4	
14	0.87	7.14	1.24	0.56	7.66	0.87	2	12		1.3	5	
15	1.10	7.18	1.22	0.50	7.65	0.87	1	10		1.2	4	
16	1.22	7.21	1.13	0.64	7.64	0.87	2	12		1.5	5	
17	1.23	7.21	1.13	0.68	7.63	0.89	2	13		1.6	6	
18	1.28	7.21	1.11	0.62	7.63	0.88	2	13		1.5	6	
19	1.37	7.21	1.12	0.63	7.63	0.86	2	13	50	1.5	6	
20	1.11	7.21	1.11	0.58	7.63	0.86	2	14		1.4	5	
21	1.06	7.21	1.11	0.56	7.63	0.86	3	12		1.4	5	
22	1.21	7.20	1.03	0.56	7.63	0.86	2	11		1.4	5	
23	1.09	7.20	0.83	0.60	7.64	0.87	2	8		1.4	5	
24	1.20	7.20	1.11	0.64	7.63	0.84	2	9		1.5	6	
25	1.10	7.21	1.11	0.55	7.63	0.79	2	12		1.3	4	
26	1.03	7.20	1.09	0.59	7.62	0.79	2	11	100	1.4	5	50
27	0.82	7.21	1.08	0.53	7.62	0.80	2	11		1.3	4	
28	0.94	7.21	1.08	0.54	7.62	0.80	2	9		1.3	5	
29	0.95	7.21	1.08	0.51	7.61	0.80	2	10		1.2	4	
30	1.16	7.20	1.08	0.58	7.61	0.79	2	10	100	1.4	5	
31	1.17	7.20	1.09	0.58	7.60	0.79	2	3		1.4	5	
<b>Summary</b>	<b>33.89</b>	<b>7.19</b>	<b>0.83</b>	<b>17.63</b>	<b>7.64</b>	<b>0.79</b>	<b>61</b>	<b>336</b>	<b>450</b>	<b>42</b>	<b>152</b>	<b>150</b>
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used					
	Chemical Name	Purpose	Chemical Strength	Total	Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	102	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	488	gallons
NaF	Sodium fluoride	fluoridation		600	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	15	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.77

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	<b>Brian Tarbuck 2026</b>		
<b>btarbuck@greataugustautilitydistrict.org</b>			
Reporting period (month and year):	<b>May, 2017</b>		
Signature:		June 10, 2017	

Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.96	0.00	0.00	0.96	0.00	0.49	0.49	1.45
2	0.95	0.00	0.06	1.01	0.00	0.59	0.59	1.60
3	0.53	0.00	0.61	1.14	0.00	0.59	0.59	1.73
4	0.21	0.00	0.93	1.14	0.00	0.52	0.52	1.66
5	0.25	0.00	0.77	1.02	0.00	0.58	0.58	1.60
6	0.38	0.00	0.65	1.02	0.00	0.49	0.49	1.51
7	0.18	0.00	0.72	0.90	0.00	0.57	0.57	1.47
8	0.27	0.00	0.93	1.20	0.00	0.50	0.50	1.70
9	0.36	0.00	0.73	1.09	0.00	0.61	0.61	1.70
10	0.32	0.00	0.92	1.24	0.01	0.41	0.42	1.66
11	0.37	0.00	0.73	1.10	0.00	0.78	0.78	1.88
12	0.25	0.00	0.79	1.04	0.00	0.49	0.49	1.53
13	0.44	0.00	0.70	1.13	0.00	0.53	0.53	1.66
14	0.17	0.00	0.70	0.87	0.00	0.56	0.56	1.43
15	0.50	0.00	0.61	1.10	0.00	0.50	0.50	1.60
16	0.76	0.00	0.46	1.22	0.00	0.64	0.64	1.85
17	0.74	0.00	0.48	1.23	0.00	0.68	0.68	1.91
18	0.76	0.00	0.51	1.28	0.00	0.62	0.62	1.90
19	0.79	0.00	0.57	1.37	0.00	0.63	0.63	2.00
20	0.70	0.00	0.41	1.11	0.00	0.58	0.58	1.69
21	0.71	0.00	0.35	1.06	0.00	0.56	0.56	1.63
22	0.82	0.00	0.38	1.21	0.00	0.56	0.56	1.77
23	0.80	0.00	0.29	1.09	0.00	0.60	0.60	1.69
24	0.74	0.00	0.46	1.20	0.00	0.64	0.64	1.84
25	0.79	0.00	0.30	1.10	0.00	0.55	0.55	1.65
26	0.65	0.00	0.38	1.03	0.00	0.59	0.59	1.62
27	0.68	0.00	0.14	0.82	0.00	0.53	0.53	1.35
28	0.94	0.00	0.00	0.94	0.00	0.54	0.54	1.48
29	0.95	0.00	0.00	0.95	0.00	0.51	0.51	1.46
30	0.85	0.00	0.31	1.16	0.00	0.58	0.58	1.74
31	0.73	0.00	0.44	1.17	0.00	0.58	0.58	1.75
Sum	18.55	0.00	15.35	33.89	0.01	17.62	17.63	51.52

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

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **May, 2017**

Signature:  6/10/2017

**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
5/3/2017 11:40	0.67	Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.96	35	0.64	0.67
2	1.01	43	0.68	0.78
3	1.14	44	0.70	0.70
4	1.14	49	0.70	0.76
5	1.02	45	0.68	0.79
6	1.02	43	0.67	0.76
7	0.90	37	0.66	0.75
8	1.20	53	0.73	0.79
9	1.09	46	0.81	0.77
10	1.24	54	0.69	0.78
11	1.10	39	0.69	0.65
12	1.04	46	0.71	0.79
13	1.13	47	0.68	0.74
14	0.87	36	0.68	0.75
15	1.10	50	0.66	0.81
16	1.22	52	0.68	0.76
17	1.23	53	0.68	0.77
18	1.28	54	0.67	0.76
19	1.37	54	0.63	0.72
20	1.11	46	0.66	0.75
21	1.06	43	0.65	0.74
22	1.21	51	0.73	0.75
23	1.09	48	0.65	0.79
24	1.20	48	0.65	0.73
25	1.10	49	0.65	0.80
26	1.03	36	0.64	0.64
27	0.82	34	0.68	0.75
28	0.94	40	0.65	0.77
29	0.95	41	0.65	0.77
30	1.16	46	0.66	0.71
31	1.17	47	0.67	0.71
<b>Avg</b>	<b>1.09</b>	<b>45.44</b>	<b>0.68</b>	<b>0.75</b>
<b>Min</b>	<b>0.82</b>	<b>34.42</b>	<b>0.63</b>	<b>0.64</b>
<b>Max</b>	<b>1.37</b>	<b>54.44</b>	<b>0.81</b>	<b>0.81</b>
<b>Total</b>	<b>33.89</b>	<b>1,408.56</b>		

**Operating comments**



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

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **May 2017**  
 Signature:  6/10/2017

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

Notes: See notes below for specific operating conditions.

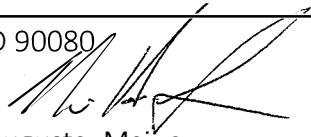
Date	GAUD mg/L	Location	HETL mg/L
5/3/2017 10:30	0.67	Riverside Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.49	18	0.78	0.66
2	0.59	22	0.67	0.67
3	0.59	23	0.65	0.70
4	0.52	19	0.65	0.66
5	0.58	20	0.64	0.62
6	0.49	19	0.64	0.70
7	0.57	21	0.66	0.66
8	0.50	18	0.68	0.65
9	0.61	23	0.69	0.68
10	0.42	17	0.75	0.73
11	0.78	33	0.77	0.76
12	0.49	19	0.77	0.70
13	0.53	23	0.78	0.79
14	0.56	24	0.78	0.77
15	0.50	22	0.75	0.79
16	0.64	27	0.74	0.76
17	0.68	29	0.73	0.76
18	0.62	27	0.73	0.78
19	0.63	28	0.74	0.80
20	0.58	24	0.75	0.74
21	0.56	25	0.73	0.80
22	0.56	24	0.71	0.76
23	0.60	25	0.70	0.75
24	0.64	28	0.69	0.79
25	0.55	23	0.69	0.75
26	0.59	23	0.70	0.70
27	0.53	23	0.73	0.78
28	0.54	23	0.77	0.77
29	0.51	22	0.78	0.78
30	0.58	25	0.78	0.77
31	0.58	24	0.76	0.74
<b>Avg</b>	<b>0.57</b>	<b>23.26</b>	<b>0.72</b>	<b>0.73</b>
<b>Min</b>	<b>0.42</b>	<b>17.00</b>	<b>0.64</b>	<b>0.62</b>
<b>Max</b>	<b>0.78</b>	<b>33.00</b>	<b>0.78</b>	<b>0.80</b>
<b>Total</b>	<b>17.63</b>	<b>721.00</b>		

**Operating comments**  
 Replaced Hach CA610 continuous fluoride residual analyzer with ATI Q46 on 5/2

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026



Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: May, 2017

Reporting date: 6/9/2017

Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
5/1/2017	68,700	1.27	0.5	
5/2/2017	68,700	1.30	0.5	
5/3/2017	67,600	1.22	0.5	
5/4/2017	65,500	1.20	0.5	
5/5/2017	61,100	1.18	0.4	
5/6/2017	0			no consumption
5/7/2017	59,400	1.13	0.4	
5/8/2017	67,800	1.45	0.5	
5/9/2017	63,800	1.50	0.5	
5/10/2017	68,100	1.43	0.5	
5/11/2017	62,800	1.42	0.5	
5/12/2017	58,800	1.33	0.4	
5/13/2017	0			no consumption
5/14/2017	59,300	1.29	0.4	
5/15/2017	117,400	1.36	0.9	
5/16/2017	190,000	1.46	1.6	
5/17/2017	71,700	1.43	0.5	
5/18/2017	71,900	1.45	0.6	
5/19/2017	67,800	1.39	0.6	
5/20/2017	61,800	1.36	0.5	
5/21/2017	55,900	1.34	0.4	
5/22/2017	72,900	1.33	0.6	
5/23/2017	67,700	1.32	0.5	
5/24/2017	71,900	1.31	0.6	
5/25/2017	69,400	1.28	0.6	
5/26/2017	62,400	1.31	0.5	
5/27/2017	0			no consumption
5/28/2017	60,000	1.26	0.5	
5/29/2017	46,800	1.19	0.4	
5/30/2017	70,600	1.21	0.5	
5/31/2017	0			no consumption
Sum	1,929,800		15.1	
Average	62,252	1.3	0.6	
Max		1.5		

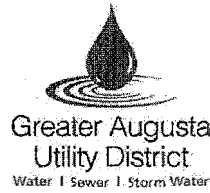
Brian Tarbuck, General Manager  
btarbuck@greateraugustautilitydistrict.org

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Bradley Sawyer  
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Charlotte Warren, Hallowell ex-officio member  
cwarren@greateraugustautilitydistrict.org

July 10, 2017

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

Dear Denise:

As you know, June Mooney retired after almost 28 years of service to the District. June was awesome, irreplaceable and I'm going to miss her. Can you please have her name removed from future mailings? I am the primary point of contact now.

My understanding is that the bacteria results don't need to be sent in separately if we process our samples through HETL. Please advise if I need to submit any summary reporting.

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of June, 2017.

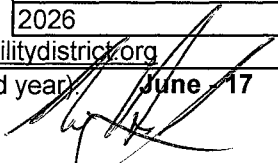
You should find the following documents:

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

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

Sincerely,

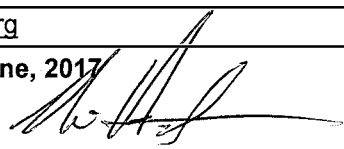
Brian Tarbuck, PE, System Class IV 2026

<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	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 (month and year):	June 17		
Date:	July 10, 2017		
Signature:			

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	1.05	7.21	1.07	0.58	7.60	0.80	1	1		1.4	5	
2	1.17	7.20	1.12	0.54	7.60	0.79	2	9		1.3	5	
3	0.88	7.21	1.11	0.61	7.61	0.80	3	13		1.5	5	50
4	1.05	7.21	1.11	0.51	7.60	0.81	2	10		1.2	4	
5	1.11	7.21	1.11	0.66	7.60	0.78	1	11		1.5	6	
6	1.07	7.18	1.18	0.56	7.60	0.79	3	11		1.3	5	
7	1.27	7.16	1.23	0.64	7.60	0.76	2	12		1.5	5	
8	1.36	7.17	1.22	0.63	7.60	0.77	2	14		1.5	5	
9	1.20	7.17	1.20	0.66	7.60	0.75	2	16	2	1.5	5	50
10	1.10	7.15	1.23	0.55	7.60	0.76	2	13		1.3	5	
11	1.16	7.17	1.17	0.55	7.59	0.74	2	13		1.3	5	
12	1.39	7.19	1.16	0.88	7.60	0.75	4	13		2.0	7	
13	0.92	7.23	1.14	0.36	7.59	0.63	3	10		0.9	3	
14	1.87	7.23	1.07	0.89	7.60	0.88	1	10		2.1	7	
15	1.37	7.21	1.14	0.59	7.60	0.84	1	18		1.4	5	50
16	1.23	7.21	1.14	0.72	7.60	0.83	3	15	1	1.7	6	
17	1.14	7.21	1.13	0.55	7.59	0.85	1	13		1.3	5	
18	0.97	7.22	1.13	0.51	7.59	0.88	4	13		1.2	5	
19	1.52	7.24	1.09	0.56	7.59	0.88	2	11		1.3	5	
20	1.22	7.24	1.07	0.89	7.59	0.84	3	17		2.1	7	
21	1.46	7.25	1.05	0.60	7.59	0.83	1	13		1.4	5	
22	1.30	7.24	1.06	0.69	7.59	0.80	2	13		1.6	6	
23	1.35	7.24	1.11	0.69	7.59	0.83	2	8	2	1.6	6	50
24	1.13	7.23	1.08	0.57	7.59	0.82	3	14		1.4	5	
25	1.08	7.23	1.09	0.67	7.59	0.83	2	12		1.6	6	
26	1.36	7.21	1.08	0.62	7.59	0.81	2	12	1	1.5	5	
27	1.36	7.20	1.07	0.68	7.59	0.79	2	14		1.6	6	
28	1.12	7.20	1.04	0.62	7.59	0.82	2	14		1.5	5	
29	1.33	7.22	1.01	0.66	7.59	0.77	2	12		1.5	5	
30	1.12	7.23	1.07	0.65	7.59	0.76	3	11	1	1.5	5	50
Summary	36.67	7.21	1.01	18.87	7.60	0.63	66	366	7	44	159	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	110	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	525	gallons
NaF	Sodium fluoride	fluoridation		257	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
# of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.76

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	<b>Brian Tarbuck 2026</b>		
<b>bstarbuck@greateraugustautilitydistrict.org</b>			
Reporting period (month and year):	<b>June, 2017</b>		
Date:	<b>July 10, 2017</b>		
Signature:			

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	0.76	0.00	0.29	1.05	0.00	0.58	0.58	1.63
2	0.76	0.00	0.42	1.17	0.00	0.54	0.54	1.71
3	0.72	0.00	0.16	0.88	0.00	0.61	0.61	1.49
4	0.94	0.00	0.12	1.05	0.00	0.51	0.51	1.56
5	0.95	0.00	0.16	1.11	0.00	0.66	0.66	1.76
6	0.40	0.02	0.65	1.07	0.00	0.56	0.56	1.63
7	0.36	0.00	0.91	1.27	0.00	0.64	0.64	1.90
8	0.46	0.00	0.90	1.36	0.00	0.63	0.63	1.99
9	0.43	0.00	0.77	1.20	0.00	0.66	0.66	1.85
10	0.17	0.00	0.93	1.10	0.00	0.55	0.55	1.65
11	0.41	0.00	0.75	1.16	0.00	0.55	0.55	1.71
12	0.32	0.49	0.57	1.39	0.00	0.88	0.88	2.27
13	0.15	0.76	0.00	0.92	0.00	0.36	0.36	1.28
14	0.37	1.14	0.37	1.87	0.00	0.89	0.89	2.76
15	0.00	0.94	0.42	1.37	0.00	0.59	0.59	1.96
16	0.00	0.92	0.32	1.23	0.00	0.72	0.72	1.95
17	0.00	0.85	0.29	1.14	0.00	0.55	0.55	1.68
18	0.00	0.97	0.00	0.97	0.00	0.51	0.51	1.48
19	0.34	1.18	0.00	1.52	0.00	0.56	0.56	2.09
20	0.05	0.90	0.27	1.22	0.00	0.89	0.89	2.11
21	0.46	1.00	0.00	1.46	0.00	0.60	0.60	2.06
22	0.38	0.92	0.00	1.30	0.00	0.69	0.69	2.00
23	0.38	0.97	0.00	1.35	0.00	0.69	0.69	2.05
24	0.33	0.80	0.00	1.13	0.00	0.57	0.57	1.71
25	0.14	0.94	0.00	1.08	0.00	0.67	0.67	1.74
26	0.34	1.02	0.00	1.36	0.00	0.62	0.62	1.98
27	0.42	0.93	0.00	1.36	0.00	0.68	0.68	2.04
28	0.47	0.51	0.14	1.12	0.00	0.62	0.62	1.74
29	0.81	0.00	0.52	1.33	0.00	0.66	0.66	1.99
30	0.80	0.00	0.32	1.12	0.00	0.65	0.65	1.77
Sum	12.12	15.27	9.28	36.67	0.00	18.87	18.87	55.54

66% Triangle	MGD	MGD	MGD
34% Riverside	1.22	0.63	1.85

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

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **June, 2017**

Signature:  7/10/2017

**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
6/9/2017 10:40	0.65	Triangle Station	0.70

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.05	47	0.69	0.80
2	1.17	48	0.68	0.73
3	0.88	50	0.68	1.02
4	1.05	44	0.69	0.76
5	1.11	47	0.70	0.77
6	1.07	51	0.72	0.85
7	1.27	50	0.70	0.70
8	1.36	56	0.69	0.74
9	1.20	60	0.67	0.90
10	1.10	44	0.68	0.73
11	1.16	50	0.71	0.77
12	1.39	57	0.71	0.73
13	0.92	60	0.76	1.17
14	1.87	73	0.64	0.70
15	1.37	77	0.66	1.01
16	1.23	57	0.66	0.83
17	1.14	50	0.70	0.80
18	0.97	49	0.72	0.90
19	1.52	61	0.76	0.72
20	1.22	65	0.58	0.95
21	1.46	41	0.39	0.51
22	1.30	52	0.68	0.71
23	1.35	55	0.73	0.73
24	1.13	52	0.77	0.82
25	1.08	50	0.80	0.83
26	1.36	50	0.79	0.67
27	1.36	56	0.79	0.74
28	1.12	54	0.79	0.86
29	1.33	52	0.75	0.70
30	1.12	55	0.74	0.88
<b>Avg</b>	<b>1.22</b>	<b>53.56</b>	<b>0.70</b>	<b>0.80</b>
<b>Min</b>	<b>0.88</b>	<b>41.42</b>	<b>0.39</b>	<b>0.51</b>
<b>Max</b>	<b>1.87</b>	<b>76.88</b>	<b>0.80</b>	<b>1.17</b>
<b>Total</b>	<b>36.67</b>	<b>1,606.90</b>		

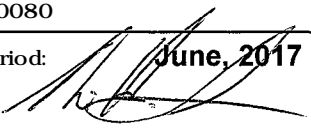
Operating comments

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

System Name: **Greater Augusta Utility District**

PWS ID #: 90080

Reporting period: **June, 2017**

Signature:  7/10/2017

**System Information**

Treatment plant: **Riverside Station**

Chemical Used: **Sodium Fluoride**

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
6/9/2017 11:15	0.72	Riverside Station	0.70

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.58	25	0.77	0.77
2	0.54	21	0.77	0.71
3	0.61	26	0.78	0.77
4	0.51	22	0.80	0.78
5	0.66	27	0.79	0.74
6	0.56	24	0.80	0.78
7	0.64	27	0.78	0.76
8	0.63	27	0.77	0.77
9	0.66	26	0.76	0.71
10	0.55	24	0.80	0.79
11	0.55	24	0.82	0.78
12	0.88	37	0.79	0.76
13	0.36	15	0.78	0.75
14	0.89	38	0.77	0.77
15	0.59	22	0.77	0.67
16	0.72	31	0.78	0.77
17	0.55	23	0.80	0.76
18	0.51	21	0.81	0.74
19	0.56	25	0.81	0.80
20	0.89	37	0.79	0.75
21	0.60	25	0.78	0.75
22	0.69	29	0.75	0.75
23	0.69	27	0.74	0.70
24	0.57	24	0.78	0.75
25	0.67	28	0.80	0.76
26	0.62	26	0.80	0.76
27	0.68	29	0.79	0.76
28	0.62	26	0.78	0.76
29	0.66	27	0.77	0.74
30	0.65	25	0.75	0.69
<b>Avg</b>	<b>0.63</b>	<b>26.27</b>	<b>0.78</b>	<b>0.75</b>
<b>Min</b>	<b>0.36</b>	<b>15.00</b>	<b>0.74</b>	<b>0.67</b>
<b>Max</b>	<b>0.89</b>	<b>38.00</b>	<b>0.82</b>	<b>0.80</b>
<b>Total</b>	<b>18.87</b>	<b>788.00</b>		

Operating comments

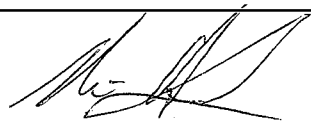
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: June, 2017

Reporting date: 7/10/2017



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
6/1/2017	60,200	1.17	0.4	
6/2/2017	60,900	1.25	0.5	
6/3/2017	0			no consumption
6/4/2017	59,200	1.24	0.5	
6/5/2017	64,600	1.18	0.5	
6/6/2017	63,000	1.25	0.6	
6/7/2017	64,000	1.26	0.6	
6/8/2017	63,000	1.23	0.6	
6/9/2017	59,200	1.23	0.5	
6/10/2017	0			no consumption
6/11/2017	61,300	1.14	0.6	
6/12/2017	73,000	1.15	0.7	
6/13/2017	89,000	1.47	0.8	
6/14/2017	69,700	1.45	0.6	
6/15/2017	69,000	1.46	0.6	
6/16/2017	67,800	1.50	0.7	
6/17/2017	0			no consumption
6/18/2017	61,000	1.42	0.6	
6/19/2017	91,800	1.33	0.9	
6/20/2017	169,600	1.47	1.8	
6/21/2017	182,700	1.49	1.9	
6/22/2017	87,500	1.46	0.9	
6/23/2017	149,100	1.39	1.5	
6/24/2017	73,500	1.37	0.7	
6/25/2017	124,600	1.40	1.3	
6/26/2017	101,100	1.35	1.0	
6/27/2017	83,800	1.40	0.9	
6/28/2017	143,000	1.34	1.4	
6/29/2017	114,000	1.33	1.1	
6/30/2017	111,700	1.33	1.1	
Sum	2,417,300		23.7	
Average	80,577	1.3	0.9	
Max		1.5		



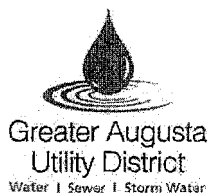
Brian Tarbuck, General Manager  
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair  
kknight@greateraugustautilitydistrict.org

Dave Bustin, Hallowell voting member, Clerk  
dbustin@greateraugustautilitydistrict.org

Bob Corey, Treasurer  
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert  
khebert@greateraugustautilitydistrict.org



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Augusta, ME 04330-5225  
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Dave Rollins, Augusta ex-officio member  
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Bradley Sawyer  
bsawyer@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell ex-officio member  
cwarren@greateraugustautilitydistrict.org

August 1, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of July, 2017.

You should find the following documents:

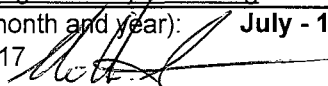
1. Operating report;
2. Water production report;
3. Triangle fluoridation report;
4. Riverside fluoridation report, and;
5. Togus disinfection station report.

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

Sincerely,

A handwritten signature in black ink, appearing to be "Brian Tarbuck", written in a cursive style.

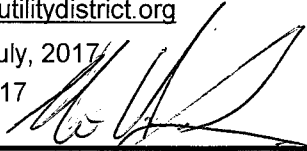
Brian Tarbuck, PE, System Class IV 2026

<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name: <b>Greater Augusta Utility District</b>		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 #: <b>Brian Tarbuck</b> <b>2026</b>			
btarbuck@greateraugustautilitydistrict.org			
Reporting period (month and year): <b>July - 17</b>			
Date: July 10, 2017			
Signature: 			

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	1.16	7.23	1.12	0.64	7.59	0.77	2	8		1.5	5	
2	0.96	7.24	1.12	0.52	7.59	0.75	3	13		1.2	4	
3	1.34	7.21	1.16	0.68	7.60	0.74	0	9		1.6	6	
4	1.01	7.17	1.18	0.59	7.60	0.75	3	14		1.4	5	
5	1.32	7.17	1.20	0.66	7.60	0.81	2	10		1.5	6	
6	1.47	7.18	1.20	0.68	7.60	0.79	3	14	100	1.6	6	
7	1.28	7.18	1.15	0.68	7.60	0.69	2	15		1.6	6	50
8	1.20	7.18	1.11	0.60	7.61	0.71	2	13		1.4	5	
9	0.98	7.17	1.14	0.57	7.61	0.71	2	13		1.3	5	
10	1.55	7.20	1.09	0.89	7.61	0.73	2	11		2.0	8	
11	1.34	7.23	1.05	0.50	7.61	0.73	4	6		1.2	4	
12	1.47	7.22	1.07	0.56	7.61	0.68	2	3		1.3	5	
13	1.30	7.20	1.06	0.89	7.62	0.68	2	16		2.1	7	50
14	1.30	7.19	1.06	0.64	7.62	0.69	1	12	50	1.5	5	
15	1.13	7.18	1.05	0.61	7.62	0.67	3	13		1.4	5	
16	1.26	7.17	1.03	0.61	7.62	0.65	2	12		1.4	5	
17	1.40	7.19	1.06	0.72	7.62	0.67	3	14	100	1.7	6	
18	1.22	7.22	1.08	0.89	7.62	0.70	3	14		2.1	7	
19	1.11	7.23	1.03	0.59	7.62	0.79	2	13		1.4	5	50
20	1.65	7.23	1.06	0.65	7.62	0.77	2	11		1.5	6	
21	1.29	7.23	1.05	0.89	7.62	0.74	2	7		2.1	8	
22	1.27	7.22	1.05	0.68	7.62	0.69	2	9		1.6	6	
23	1.16	7.22	1.03	0.61	7.62	0.66	1	13		1.4	5	
24	1.27	7.21	1.09	0.56	7.62	0.70	1	11		1.3	5	
25	1.36	7.18	1.09	0.68	7.62	0.75	3	13	50	1.6	6	50
26	1.27	7.17	1.10	0.67	7.62	0.80	2	14		1.6	6	
27	1.39	7.17	1.07	0.68	7.62	0.89	3	15	100	1.6	7	
28	1.38	7.18	1.09	0.64	7.62	0.91	2	15		1.5	7	
29	1.25	7.17	1.07	0.60	7.62	0.92	3	13		1.4	7	
30	1.27	7.17	1.10	0.63	7.62	0.93	2	14		1.5	7	
31	1.48	7.18	1.09	0.69	7.62	0.92	2	15		1.6	8	
Summary	<b>39.83</b>	<b>7.20</b>	<b>1.03</b>	<b>20.49</b>	<b>7.61</b>	<b>0.65</b>	<b>69</b>	<b>375</b>	<b>400</b>	<b>48</b>	<b>181</b>	<b>200</b>
	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	117	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	556	gallons
NaF	Sodium fluoride	fluoridation		600	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.70

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	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:	July, 2017		
Date:	August 10, 2017		
Signature:			

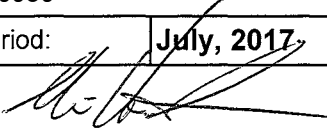
Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.74	0.00	0.43	1.16	0.00	0.64	0.64	1.80
2	0.75	0.00	0.21	0.96	0.00	0.52	0.52	1.48
3	0.39	0.34	0.62	1.34	0.00	0.68	0.68	2.02
4	0.00	0.28	0.73	1.01	0.00	0.59	0.59	1.60
5	0.00	0.40	0.92	1.32	0.00	0.66	0.66	1.98
6	0.00	0.56	0.90	1.47	0.00	0.68	0.68	2.14
7	0.00	0.47	0.80	1.28	0.00	0.68	0.68	1.95
8	0.00	0.48	0.72	1.20	0.00	0.60	0.60	1.80
9	0.00	0.04	0.94	0.98	0.00	0.57	0.57	1.55
10	0.30	0.71	0.54	1.55	0.00	0.89	0.89	2.43
11	0.48	0.86	0.00	1.34	0.00	0.50	0.50	1.84
12	0.28	1.19	0.00	1.47	0.00	0.56	0.56	2.03
13	0.41	0.89	0.00	1.30	0.00	0.89	0.89	2.19
14	0.38	0.91	0.00	1.30	0.00	0.64	0.64	1.93
15	0.26	0.87	0.00	1.13	0.00	0.61	0.61	1.74
16	0.31	0.95	0.00	1.26	0.00	0.61	0.61	1.87
17	0.63	0.35	0.42	1.40	0.00	0.72	0.72	2.12
18	0.87	0.00	0.34	1.22	0.00	0.89	0.89	2.10
19	0.57	0.25	0.29	1.11	0.00	0.59	0.59	1.70
20	0.80	0.44	0.41	1.65	0.00	0.65	0.65	2.30
21	0.75	0.04	0.50	1.29	0.00	0.89	0.89	2.18
22	0.95	0.00	0.33	1.27	0.00	0.68	0.68	1.95
23	0.76	0.00	0.41	1.16	0.00	0.61	0.61	1.77
24	0.60	0.33	0.34	1.27	0.00	0.56	0.56	1.84
25	0.12	0.53	0.71	1.36	0.00	0.68	0.68	2.04
26	0.00	0.50	0.76	1.27	0.00	0.67	0.67	1.94
27	0.12	0.54	0.73	1.39	0.00	0.68	0.68	2.07
28	0.00	0.64	0.75	1.38	0.00	0.64	0.64	2.02
29	0.00	0.56	0.68	1.25	0.00	0.60	0.60	1.85
30	0.00	0.50	0.77	1.27	0.00	0.63	0.63	1.90
31	0.22	0.43	0.82	1.48	0.00	0.69	0.69	2.17
Sum	10.69	14.07	15.07	39.83	0.00	20.49	20.49	60.32

66% Triangle  
34% Riverside

MGD  
1.28

MGD  
0.66

MGD  
1.95

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		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, 2017	Date	7/6/2017 13:10
Signature:		GAUD mg/L	
	8/10/2017	Location	Triangle Station
		HETL mg/L	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.16	49	0.73	0.76
2	0.96	39	0.73	0.74
3	1.34	60	0.73	0.80
4	1.01	39	0.73	0.71
5	1.32	58	0.73	0.79
6	1.47	52	0.73	0.63
7	1.28	55	0.74	0.77
8	1.20	46	0.74	0.69
9	0.98	45	0.75	0.83
10	1.55	63	0.74	0.73
11	1.34	55	0.75	0.74
12	1.47	65	0.76	0.79
13	1.30	54	0.79	0.74
14	1.30	52	0.72	0.72
15	1.13	47	0.68	0.74
16	1.26	54	0.66	0.77
17	1.40	50	0.67	0.64
18	1.22	55	0.69	0.81
19	1.11	47	0.66	0.75
20	1.65	65	0.65	0.71
21	1.29	55	0.66	0.76
22	1.27	56	0.68	0.79
23	1.16	48	0.67	0.74
24	1.27	56	0.67	0.79
25	1.36	50	0.67	0.66
26	1.27	53	0.68	0.76
27	1.39	47	0.69	0.61
28	1.38	59	0.69	0.76
29	1.25	50	0.69	0.73
30	1.27	49	0.70	0.69
31	1.48	61	0.69	0.74
<b>Avg</b>	<b>1.28</b>	<b>52.51</b>	<b>0.71</b>	<b>0.74</b>
<b>Min</b>	<b>0.96</b>	<b>39.44</b>	<b>0.65</b>	<b>0.61</b>
<b>Max</b>	<b>1.65</b>	<b>64.81</b>	<b>0.79</b>	<b>0.83</b>
<b>Total</b>	<b>39.83</b>	<b>1,627.89</b>		

Operating comments

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

**System Information**

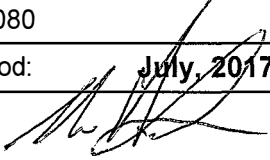
System Name: **Greater Augusta Utility District**

Treatment plant: **Riverside Station**  
 Chemical Used: **Sodium Fluoride**

PWSID#: 90080

Reporting period: **July, 2017**

Notes: See notes below for specific operating conditions.

Signature:  8/10/2017

Date	GAUD mg/L	Location	HETL mg/L
7/6/2017 11:08		Riverside Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.64	27	0.77	0.76
2	0.52	21	0.76	0.73
3	0.68	28	0.74	0.75
4	0.59	24	0.73	0.73
5	0.66	27	0.75	0.74
6	0.68	27	0.75	0.72
7	0.68	25	0.73	0.67
8	0.60	24	0.75	0.72
9	0.57	23	0.78	0.72
10	0.89	36	0.78	0.73
11	0.50	20	0.77	0.72
12	0.56	22	0.76	0.70
13	0.89	32	0.75	0.65
14	0.64	22	0.68	0.62
15	0.61	24	0.77	0.71
16	0.61	24	0.77	0.71
17	0.72	28	0.76	0.70
18	0.89	35	0.73	0.71
19	0.59	20	0.72	0.61
20	0.65	26	0.74	0.72
21	0.89	34	0.76	0.69
22	0.68	27	0.75	0.72
23	0.61	23	0.75	0.68
24	0.56	22	0.76	0.70
25	0.68	23	0.76	0.61
26	0.67	26	0.75	0.69
27	0.68	25	0.75	0.66
28	0.64	24	0.75	0.68
29	0.60	22	0.75	0.66
30	0.63	23	0.76	0.66
31	0.69	26	0.75	0.68
<b>Avg</b>	<b>0.66</b>	<b>25.48</b>	<b>0.75</b>	<b>0.69</b>
<b>Min</b>	<b>0.50</b>	<b>20.00</b>	<b>0.68</b>	<b>0.61</b>
<b>Max</b>	<b>0.89</b>	<b>36.00</b>	<b>0.78</b>	<b>0.76</b>
<b>Total</b>	<b>20.49</b>	<b>790.00</b>		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: July, 2017



Reporting date: 8/1/2017

Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
7/1/2017	78,200	1.30	0.8	
7/2/2017	127,600	1.26	1.3	
7/3/2017	77,600	1.36	0.8	
7/4/2017	131,700	1.32	1.4	
7/5/2017	79,200	1.36	0.8	
7/6/2017	150,600	1.35	1.6	
7/7/2017	75,900	1.38	0.9	
7/8/2017	66,300	1.45	0.8	
7/9/2017	135,000	1.36	1.6	
7/10/2017	79,900	1.36	0.9	
7/11/2017	150,200	1.37	1.8	
7/12/2017	110,000	1.34	1.3	
7/13/2017	77,700	1.41	1.0	
7/14/2017	104,200	1.40	1.3	
7/15/2017	103,000	1.39	1.2	
7/16/2017	71,100	1.34	0.9	
7/17/2017	80,500	1.34	1.1	
7/18/2017	142,700	1.43	2.0	
7/19/2017	139,100	1.45	2.0	
7/20/2017	86,000	1.32	1.0	
7/21/2017	144,500	1.58	2.2	
7/22/2017	72,700	1.55	1.0	
7/23/2017	69,000	1.53	1.0	
7/24/2017	111,700	1.45	1.7	
7/25/2017	107,800	1.55	1.4	
7/26/2017	76,700	1.47	0.9	
7/27/2017	135,700	1.51	1.6	
7/28/2017	81,600	1.41	0.8	
7/29/2017	67,500	1.42	0.7	
7/30/2017	67,900	1.38	0.7	
Sum	3,001,600		36.5	
Average	100,053	1.4	1.2	
Max		1.6		

Brian Tarbuck, General Manager  
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair  
kknight@greateraugustautilitydistrict.org

Dave Bustin, Hallowell voting member, Clerk  
dbustin@greateraugustautilitydistrict.org

Bob Corey, Treasurer  
bcorey@greateraugustautilitydistrict.org

Kirsten Hebert  
khebert@greateraugustautilitydistrict.org



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Dave Rollins, Augusta ex-officio member  
drollins@greateraugustautilitydistrict.org

Bradley Sawyer  
bsawyer@greateraugustautilitydistrict.org

Charlotte Warren, Hallowell ex-officio member  
cwarren@greateraugustautilitydistrict.org

September 1, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of August, 2017.

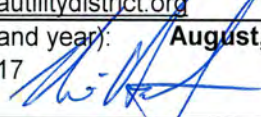
You should find the following documents:

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

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

Sincerely,

Brian Tarbuck, PE, System Class IV 2026

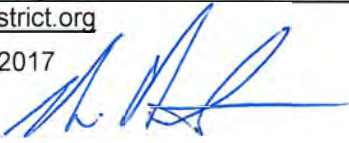
<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
	<a href="mailto:btarbuck@greataugustautilitydistrict.org">btarbuck@greataugustautilitydistrict.org</a>		
Reporting period (month and year):	<b>August, 2017</b>		
Date:	September 8, 2017		
Signature:			

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	1.19	7.20	0.97	0.89	7.62	0.97	3	14		2.0	10	
2	1.48	7.21	1.01	0.58	7.62	1.06	2	19		1.3	6	
3	1.53	7.20	1.05	0.89	7.62	0.96	3	17		2.0	10	50
4	1.52	7.17	1.07	0.58	7.62	0.90	2	18	50	1.4	6	
5	1.27	7.16	1.04	0.66	7.61	0.88	2	15		1.5	7	
6	1.02	7.14	1.07	0.55	7.61	0.89	1	12		1.2	5	
7	1.49	7.14	1.09	0.62	7.62	0.90	1	18		1.4	6	
8	1.13	7.16	1.07	0.89	7.62	0.86	3	3	100	2.0	9	
9	1.29	7.20	1.10	0.61	7.61	0.86	2	16		1.4	6	
10	1.27	7.21	1.09	0.68	7.61	0.87	3	15		1.6	7	50
11	1.56	7.21	1.07	0.89	7.62	0.84	3	18		2.0	9	
12	1.19	7.21	1.05	0.52	7.61	0.86	2	13		1.2	5	
13	1.18	7.22	1.07	0.47	7.61	0.85	2	14		1.1	5	
14	1.42	7.21	1.08	0.89	7.62	0.85	2	16		2.0	9	
15	1.29	7.19	1.18	0.62	7.62	0.85	3	16	50	1.4	6	
16	1.38	7.19	1.21	0.63	7.62	0.83	3	17		1.4	6	50
17	1.37	7.19	1.14	0.70	7.62	0.84	1	16		1.6	7	
18	1.20	7.17	1.20	0.61	7.62	0.87	1	15	50	1.4	6	
19	1.19	7.19	1.22	0.62	7.62	0.84	3	15		1.4	6	
20	0.92	7.17	1.18	0.59	7.62	0.82	3	10		1.4	6	
21	1.40	7.15	1.12	0.55	7.63	0.87	2	15		1.2	6	
22	1.42	7.17	1.12	0.87	7.63	0.84	3	16	50	2.0	9	
23	1.20	7.15	1.14	0.54	7.62	0.80	2	13		1.2	5	50
24	1.37	7.16	1.15	0.69	7.62	0.84	0	16		1.6	7	
25	1.12	7.16	1.15	0.66	7.62	0.85	1	10		1.5	7	
26	1.26	7.16	1.17	0.62	7.62	0.84	1	14		1.4	6	
27	1.16	7.16	1.15	0.62	7.62	0.85	3	14		1.5	6	
28	1.27	7.15	1.19	0.66	7.63	0.90	2	15	100	1.5	7	
29	1.30	7.14	1.20	0.63	7.63	0.93	2	15		1.4	7	50
30	1.23	7.13	1.28	0.61	7.63	0.93	4	14		1.4	6	
31	1.30	7.14	1.29	0.58	7.63	0.90	1	15	50	1.4	6	
<b>Summary</b>	<b>39.95</b>	<b>7.18</b>	<b>0.97</b>	<b>20.51</b>	<b>7.62</b>	<b>0.80</b>	<b>68</b>	<b>455</b>	<b>450</b>	<b>47</b>	<b>209</b>	<b>250</b>
	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	115	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	664	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:	0.73



<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	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:	August, 2017		
Date:	September 8, 2017		
Signature:			

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	0.41	0.79	0.00	1.19	0.00	0.89	0.89	2.08
2	0.39	1.09	0.00	1.48	0.00	0.58	0.58	2.06
3	0.57	0.96	0.00	1.53	0.00	0.89	0.89	2.42
4	0.50	1.02	0.00	1.52	0.00	0.58	0.58	2.11
5	0.43	0.85	0.00	1.27	0.00	0.66	0.66	1.93
6	0.11	0.91	0.00	1.02	0.00	0.55	0.55	1.56
7	0.32	1.17	0.00	1.49	0.00	0.62	0.62	2.11
8	0.59	0.21	0.34	1.13	0.00	0.89	0.89	2.02
9	0.95	0.11	0.23	1.29	0.00	0.61	0.61	1.90
10	0.95	0.07	0.25	1.27	0.00	0.68	0.68	1.95
11	0.94	0.62	0.00	1.56	0.00	0.89	0.89	2.45
12	0.72	0.47	0.00	1.19	0.00	0.52	0.52	1.71
13	0.61	0.34	0.24	1.18	0.00	0.47	0.47	1.65
14	0.74	0.64	0.04	1.42	0.00	0.89	0.89	2.31
15	0.36	0.93	0.00	1.29	0.00	0.62	0.62	1.91
16	0.34	1.04	0.00	1.38	0.00	0.63	0.63	2.01
17	0.50	0.87	0.00	1.37	0.00	0.70	0.70	2.07
18	0.28	0.93	0.00	1.20	0.00	0.61	0.61	1.81
19	0.29	0.90	0.00	1.19	0.00	0.62	0.62	1.81
20	0.01	0.91	0.00	0.92	0.00	0.59	0.59	1.52
21	0.49	0.91	0.00	1.40	0.00	0.55	0.55	1.95
22	0.78	0.63	0.00	1.42	0.00	0.87	0.87	2.28
23	0.78	0.42	0.00	1.20	0.00	0.54	0.54	1.74
24	0.94	0.43	0.00	1.37	0.00	0.69	0.69	2.06
25	0.76	0.36	0.00	1.12	0.00	0.66	0.66	1.79
26	0.71	0.56	0.00	1.26	0.00	0.62	0.62	1.88
27	0.71	0.46	0.00	1.16	0.00	0.62	0.62	1.78
28	0.80	0.46	0.00	1.27	0.00	0.66	0.66	1.92
29	0.72	0.58	0.00	1.30	0.00	0.63	0.63	1.93
30	0.31	0.92	0.00	1.23	0.00	0.61	0.61	1.84
31	0.37	0.93	0.00	1.30	0.00	0.58	0.58	1.89
Sum	17.35	21.47	1.13	39.95	0.00	20.51	20.51	60.46


66% Triangle MGD 34% Riverside MGD 1.29 MGD 0.66 MGD 1.95

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

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **August, 2017**

Signature:  9/8/2017

**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
8/8/17 11:40 AM		Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.19	47.5	0.70	0.72
2	1.48	67.8	0.70	0.82
3	1.53	62.8	0.69	0.74
4	1.52	62.7	0.70	0.74
5	1.27	50.6	0.70	0.72
6	1.02	45.5	0.72	0.80
7	1.49	63.7	0.70	0.77
8	1.13	40.5	0.73	0.64
9	1.29	54.6	0.75	0.76
10	1.27	54.6	0.75	0.78
11	1.56	66.7	0.71	0.77
12	1.19	47.5	0.70	0.72
13	1.18	50.6	0.69	0.77
14	1.42	55.6	0.69	0.70
15	1.29	51.5	0.71	0.72
16	1.38	61.6	0.72	0.81
17	1.37	53.6	0.71	0.70
18	1.20	47.5	0.72	0.71
19	1.19	49.5	0.74	0.75
20	0.92	43.4	0.74	0.85
21	1.40	59.7	0.71	0.77
22	1.42	52.6	0.70	0.67
23	1.20	50.5	0.72	0.76
24	1.37	57.6	0.76	0.76
25	1.12	49.6	0.76	0.80
26	1.26	51.6	0.75	0.73
27	1.16	47.5	0.75	0.74
28	1.27	50.6	0.76	0.72
29	1.30	51.6	0.73	0.71
30	1.23	52.5	0.69	0.77
31	1.30	53.6	0.70	0.74
<b>Avg</b>	<b>1.29</b>	<b>53.39</b>	<b>0.72</b>	<b>0.75</b>
<b>Min</b>	<b>0.92</b>	<b>40.50</b>	<b>0.69</b>	<b>0.64</b>
<b>Max</b>	<b>1.56</b>	<b>67.78</b>	<b>0.76</b>	<b>0.85</b>
<b>Total</b>	<b>39.95</b>	<b>1,655.24</b>		

Operating comments

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

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **August, 2017**

Signature:  9/8/2017

**System Information**

Treatment plant: **Riverside Station**

Chemical Used: **Sodium Fluoride**

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
8/8/2017 10:15		Riverside Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.89	33	0.72	0.67
2	0.58	21	0.70	0.65
3	0.89	31	0.68	0.63
4	0.58	21	0.71	0.65
5	0.66	24	0.73	0.66
6	0.55	20	0.74	0.66
7	0.62	23	0.75	0.67
8	0.89	32	0.75	0.65
9	0.61	22	0.74	0.65
10	0.68	23	0.72	0.61
11	0.89	32	0.73	0.65
12	0.52	19	0.77	0.66
13	0.47	17	0.76	0.65
14	0.89	32	0.76	0.65
15	0.62	23	0.73	0.67
16	0.63	20	0.70	0.57
17	0.70	25	0.74	0.64
18	0.61	23	0.78	0.68
19	0.62	22	0.79	0.64
20	0.59	21	0.78	0.64
21	0.55	20	0.74	0.66
22	0.87	31	0.69	0.64
23	0.54	17	0.68	0.57
24	0.69	25	0.69	0.65
25	0.66	24	0.70	0.65
26	0.62	22	0.71	0.64
27	0.62	23	0.71	0.67
28	0.66	23	0.71	0.63
29	0.63	23	0.70	0.66
30	0.61	22	0.69	0.65
31	0.58	19	0.71	0.59
<b>Avg</b>	<b>0.66</b>	<b>23.65</b>	<b>0.73</b>	<b>0.64</b>
<b>Min</b>	<b>0.47</b>	<b>17.00</b>	<b>0.68</b>	<b>0.57</b>
<b>Max</b>	<b>0.89</b>	<b>33.00</b>	<b>0.79</b>	<b>0.68</b>
<b>Total</b>	<b>20.51</b>	<b>733.00</b>		

**Operating comments**

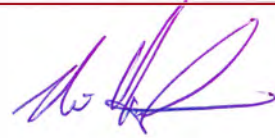
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: August, 2017

Reporting date: 9/8/2017



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
8/1/2017	89,100	1.48	1.0	
8/2/2017	142,800	1.61	1.6	
8/3/2017	95,100	1.53	1.1	
8/4/2017	130,200	1.51	1.2	
8/5/2017	65,400	1.32	0.6	
8/6/2017	71,900	1.45	0.7	
8/7/2017	83,800	1.38	0.8	
8/8/2017	69,400	1.34	0.6	
8/9/2017	123,200	1.40	1.1	
8/10/2017	71,700	1.28	0.6	
8/11/2017	73,500	1.25	0.6	
8/12/2017	64,200	1.25	0.5	
8/13/2017	65,700	1.23	0.6	
8/14/2017	72,500	1.23	0.6	
8/15/2017	78,200	1.28	0.7	
8/16/2017	131,100	1.29	1.2	
8/17/2017	73,900	1.35	0.7	
8/18/2017	79,500	1.29	0.7	
8/19/2017	65,400	1.22	0.6	
8/20/2017	65,000	1.16	0.6	
8/21/2017	278,300	1.35	2.7	
8/22/2017	74,900	1.34	0.7	
8/23/2017	81,900	1.24	0.7	
8/24/2017	146,700	1.20	1.3	
8/25/2017	85,400	1.06	0.7	
8/26/2017	101,100	1.11	1.0	
8/27/2017	113,300	1.22	1.0	
8/28/2017	101,000	1.22	1.0	
8/29/2017	113,200	1.22	1.2	
8/30/2017	72,000	1.29	0.7	
Sum	2,879,400		27.1	
Average	95,980	1.3	0.9	
Max		1.6		

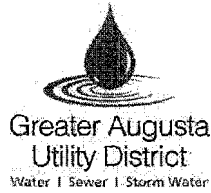
Brian Tarbuck, General Manager  
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair  
kknight@greateraugustautilitydistrict.org

Dave Bustin, Hallowell voting member, Clerk  
dbustin@greateraugustautilitydistrict.org

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October 6, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of September, 2017.

You should find the following documents:

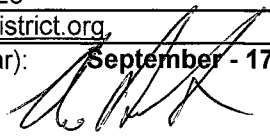
1. Operating report;
2. Water production report;
3. Triangle fluoridation report;
4. Riverside fluoridation report, and;
5. Togus disinfection station report.

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

Sincerely,

A handwritten signature in black ink, appearing to be "Brian Tarbuck", written over a white background.

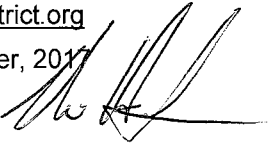
Brian Tarbuck, PE, System Class IV 2026

<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	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 (month and year):	<b>September - 17</b>		
Date:	October 6, 2017		
Signature:			

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	1.27	7.15	1.23	0.59	7.63	0.88	1	3		1.4	6	
2	1.17	7.14	1.20	0.63	7.63	0.89	4	19		1.4	7	
3	0.88	7.14	1.19	0.49	7.63	0.92	1	18		1.1	6	
4	1.15	7.15	1.22	0.56	7.63	0.91	3	4		1.3	7	
5	1.33	7.16	1.15	0.58	7.63	0.86	4	15		1.1	7	
6	1.30	7.15	1.15	0.64	7.64	0.91	1	13	100	1.3	8	
7	1.17	7.14	1.17	0.66	7.64	0.90	2	13		1.5	8	
8	1.32	7.16	1.15	0.56	7.64	0.90	2	15		1.3	7	50
9	0.93	7.15	1.22	0.55	7.64	0.91	2	11		1.3	7	
10	1.34	7.16	1.17	0.55	7.64	0.90	2	15		1.3	7	
11	1.20	7.15	1.15	0.58	7.65	0.90	2	14		1.3	7	
12	1.39	7.17	1.16	0.61	7.65	1.01	3	18		1.4	7	
13	1.31	7.16	1.26	0.61	7.65	1.06	3	17	50	1.4	7	
14	1.28	7.17	1.36	0.59	7.66	1.11	3	15		1.4	7	
15	1.30	7.14	1.37	0.59	7.66	1.10	3	18	100	1.4	7	50
16	1.14	7.16	1.33	0.45	7.66	1.10	2	15		1.1	6	
17	1.24	7.14	1.28	0.50	7.66	1.10	2	16		1.2	7	
18	1.25	7.16	1.30	0.86	7.66	1.15	1	16		2.0	11	
19	1.21	7.21	1.23	0.54	7.66	1.12	2	16		1.3	7	
20	1.33	7.26	1.23	0.58	7.66	1.08	3	17	50	1.3	7	
21	1.35	7.23	1.28	0.62	7.65	1.09	2	16		1.5	8	
22	1.28	7.20	1.31	0.61	7.65	1.08	0	16		1.4	7	
23	1.25	7.19	1.32	0.54	7.65	1.08	3	16		1.2	7	
24	1.28	7.19	1.27	0.52	7.65	1.06	4	16		1.2	6	
25	1.59	7.19	1.30	0.63	7.65	1.11	4	20		1.5	8	50
26	1.31	7.18	1.35	0.69	7.65	1.10	2	17	100	1.6	8	
27	2.19	7.18	1.34	0.73	7.65	1.10	3	27		1.7	9	
28	1.45	7.17	1.37	0.66	7.65	1.07	3	19		1.5	8	
29	1.25	7.17	1.35	0.59	7.65	1.09	-1	16		1.4	7	50
30	1.16	7.16	1.43	0.50	7.64	1.11	2	15		1.2	6	
Summary	<b>38.64</b>	<b>7.17</b>	<b>1.15</b>	<b>17.83</b>	<b>7.65</b>	<b>0.86</b>	<b>67</b>	<b>467</b>	<b>400</b>	<b>41</b>	<b>217</b>	<b>200</b>
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

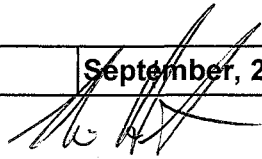
Chemicals Used (fluoride reported separately)					
	Chemical Name	Purpose	Chemical Strength	Total	Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	108	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	685	gallons
NaF	Sodium fluoride	fluoridation		600	pounds

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

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	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:	September, 2017		
Date:	October 6, 2017		
Signature:			

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	0.38	0.89	0.00	1.27	0.00	0.59	0.59	1.86
2	0.20	0.97	0.00	1.17	0.00	0.63	0.63	1.80
3	0.03	0.86	0.00	0.88	0.00	0.49	0.49	1.37
4	0.20	0.96	0.00	1.15	0.00	0.56	0.56	1.72
5	0.51	0.81	0.00	1.33	0.00	0.58	0.58	1.91
6	0.41	0.89	0.00	1.30	0.00	0.64	0.64	1.93
7	0.22	0.96	0.00	1.17	0.00	0.66	0.66	1.83
8	0.44	0.89	0.00	1.32	0.00	0.56	0.56	1.89
9	0.04	0.89	0.00	0.93	0.00	0.55	0.55	1.48
10	0.40	0.94	0.00	1.34	0.00	0.55	0.55	1.90
11	0.48	0.72	0.00	1.20	0.00	0.58	0.58	1.78
12	0.93	0.46	0.00	1.39	0.00	0.61	0.61	2.00
13	0.74	0.57	0.00	1.31	0.00	0.61	0.61	1.92
14	0.69	0.58	0.00	1.28	0.00	0.59	0.59	1.87
15	0.75	0.55	0.00	1.30	0.00	0.59	0.59	1.89
16	0.79	0.35	0.00	1.14	0.00	0.45	0.45	1.60
17	0.70	0.55	0.00	1.24	0.00	0.50	0.50	1.75
18	0.76	0.49	0.00	1.25	0.00	0.86	0.86	2.11
19	0.81	0.00	0.40	1.21	0.00	0.54	0.54	1.74
20	0.41	0.00	0.92	1.33	0.00	0.58	0.58	1.92
21	0.43	0.00	0.92	1.35	0.00	0.62	0.62	1.97
22	0.47	0.00	0.81	1.28	0.00	0.61	0.61	1.89
23	0.32	0.00	0.93	1.25	0.00	0.54	0.54	1.78
24	0.50	0.00	0.77	1.28	0.00	0.52	0.52	1.79
25	0.30	0.43	0.86	1.59	0.00	0.63	0.63	2.22
26	0.00	0.85	0.46	1.31	0.00	0.69	0.69	2.01
27	0.55	1.10	0.54	2.19	0.00	0.73	0.73	2.92
28	0.25	1.15	0.05	1.45	0.00	0.66	0.66	2.10
29	0.30	0.94	0.01	1.25	0.00	0.59	0.59	1.84
30	0.00	1.16	0.00	1.16	0.00	0.50	0.50	1.67
Sum	13.00	18.96	6.68	38.64	0.00	17.83	17.83	56.47

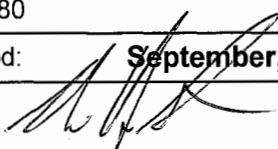
68% Triangle MGD 32% Riverside MGD  
 1.29 0.59 1.88

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		Treatment plant:	Triangle Station
System Name:	Greater Augusta Utility District	Chemical Used:	Sodium Fluoride
PWSID#: 90080		Notes: See notes below for specific operating conditions.	
Reporting period:	September, 2017	Date	GAUD mg/L
Signature:		Location	HETL mg/L
	10/6/2017	Triangle Station	

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.27	52	0.72	0.73
2	1.17	52	0.72	0.79
3	0.88	41	0.72	0.84
4	1.15	51	0.68	0.79
5	1.33	56	0.66	0.75
6	1.30	48	0.67	0.66
7	1.17	53	0.68	0.81
8	1.32	54	0.69	0.73
9	0.93	41	0.70	0.80
10	1.34	59	0.70	0.79
11	1.20	50	0.70	0.74
12	1.39	60	0.65	0.77
13	1.31	54	0.59	0.73
14	1.28	53	0.67	0.74
15	1.30	47	0.79	0.66
16	1.14	52	0.82	0.81
17	1.24	50	0.82	0.72
18	1.25	52	0.83	0.74
19	1.21	54	0.86	0.80
20	1.33	54	0.85	0.72
21	1.35	57	0.88	0.76
22	1.28	53	0.78	0.74
23	1.25	54	0.68	0.77
24	1.28	54	0.66	0.76
25	1.59	64	0.64	0.72
26	1.31	51	0.67	0.69
27	2.19	86	0.66	0.71
28	1.45	64	0.67	0.79
29	1.25	55	0.70	0.79
30	1.16	53	0.70	0.81
<b>Avg</b>	<b>1.29</b>	<b>53.83</b>	<b>0.72</b>	<b>0.76</b>
<b>Min</b>	<b>0.88</b>	<b>41.38</b>	<b>0.59</b>	<b>0.66</b>
<b>Max</b>	<b>2.19</b>	<b>85.89</b>	<b>0.88</b>	<b>0.84</b>
<b>Total</b>	<b>38.64</b>	<b>1,614.76</b>		

**Operating comments**



<b>Monthly Fluoride Report</b>		<b>System Information</b>			
<b>System Type - Fluoride Systems</b>		Treatment plant: <b>Riverside Station</b>			
System Name:	<b>Greater Augusta Utility District</b>	Chemical Used: <b>Sodium Fluoride</b>			
PWSID#: 90080		Notes: See notes below for specific operating conditions.			
Reporting period: <b>September, 2017</b>		Date	GAUD mg/L	Location	HETL mg/L
Signature:  10/4/2017		9/12/2017 9:00		Riverside Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.59	21	0.73	0.64
2	0.63	22	0.74	0.63
3	0.49	18	0.74	0.66
4	0.56	20	0.73	0.64
5	0.58	16	0.65	0.49
6	0.64	18	0.63	0.51
7	0.66	24	0.74	0.66
8	0.56	18	0.74	0.57
9	0.55	19	0.77	0.63
10	0.55	21	0.78	0.68
11	0.58	21	0.78	0.65
12	0.61	22	0.77	0.65
13	0.61	18	0.70	0.53
14	0.59	20	0.70	0.61
15	0.59	18	0.70	0.54
16	0.45	15	0.71	0.60
17	0.50	16	0.72	0.57
18	0.86	29	0.72	0.61
19	0.54	18	0.73	0.60
20	0.58	19	0.73	0.59
21	0.62	20	0.73	0.58
22	0.61	20	0.72	0.59
23	0.54	18	0.70	0.60
24	0.52	17	0.69	0.59
25	0.63	18	0.69	0.52
26	0.69	23	0.69	0.60
27	0.73	25	0.70	0.62
28	0.66	21	0.70	0.58
29	0.59	17	0.72	0.52
30	0.50	16	0.74	0.57
<b>Avg</b>	<b>0.59</b>	<b>19.60</b>	<b>0.72</b>	<b>0.59</b>
<b>Min</b>	<b>0.45</b>	<b>15.00</b>	<b>0.63</b>	<b>0.49</b>
<b>Max</b>	<b>0.86</b>	<b>29.00</b>	<b>0.78</b>	<b>0.68</b>
<b>Total</b>	<b>17.83</b>	<b>588.00</b>		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: September, 2017

Reporting date: 10/6/2017



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
9/1/2017	72,800	1.26	0.6	
9/2/2017	65,600	1.12	0.6	
9/3/2017	63,900	1.13	0.7	
9/4/2017	64,700	1.19	0.6	
9/5/2017	75,100	1.27	0.7	
9/6/2017	74,700	1.23	0.8	
9/7/2017	75,200	1.22	0.7	
9/8/2017	74,600	1.20	0.7	
9/9/2017	62,200	1.09	0.6	
9/10/2017	61,700	1.18	0.6	
9/11/2017	77,500	1.19	0.8	
9/12/2017	118,500	1.30	1.2	
9/13/2017	70,700	1.22	0.8	
9/14/2017	76,100	1.20	0.8	
9/15/2017	60,400	1.31	0.6	
9/16/2017	61,800	1.23	0.6	
9/17/2017	63,200	1.24	0.6	
9/18/2017	70,000	1.35	0.6	
9/19/2017	75,600	1.37	0.8	
9/20/2017	74,900	1.40	0.8	
9/21/2017	77,400	1.35	0.9	
9/22/2017	70,700	1.32	0.7	
9/23/2017	61,100	1.33	0.7	
9/24/2017	64,600	1.30	0.7	
9/25/2017	71,700	1.42	0.7	
9/26/2017	71,800	1.39	0.8	
9/27/2017	128,500	1.32	1.5	
9/28/2017	68,500	1.36	0.7	
9/29/2017	67,000	1.45	0.7	
9/30/2017	0			no consumption
Sum	2,120,500		21.6	
Average	70,683	1.3	0.7	
Max		1.5		

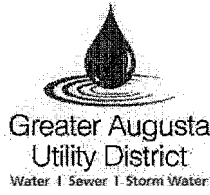
Brian Tarbuck, General Manager  
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair  
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Charlotte Warren, Hallowell ex-officio member  
cwarren@greateraugustautilitydistrict.org

November 9, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of October, 2017.

You should find the following documents:

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

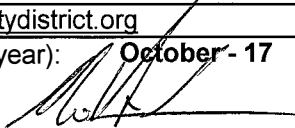
I'll send in the report for Togus next week. The data I received was incomplete and the person who generates it is unavailable until next week.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Tarbuck", written over a white background.

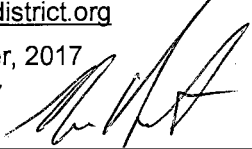
Brian Tarbuck, PE, System Class IV 2026

<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	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 (month and year):	<b>October - 17</b>		
Date:	November 10, 2017		
Signature:			

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	1.17	7.16	1.39	0.56	7.65	1.12	2.9	15		1.4	7	
2	1.44	7.16	1.40	0.25	7.64	1.15	2.9	16	100	0.6	3	
3	1.29	7.16	1.31	0.89	7.65	1.08	2.0	17		2.0	11	
4	1.76	7.17	1.23	0.89	7.66	1.12	4.0	11		2.0	10	
5	1.77	7.17	1.23	0.52	7.64	0.96	2.6	24		1.2	5	
6	0.93	7.17	1.17	0.89	7.64	0.99	1.3	6		2.0	10	50
7	1.10	7.17	1.19	0.79	7.65	0.98	2.1	7		1.8	8	
8	1.00	7.16	1.12	0.48	7.64	1.05	3.0	15		1.1	5	
9	1.26	7.17	1.14	0.57	7.65	1.00	0.1	13		1.3	6	
10	1.45	7.17	1.33	0.68	7.65	1.07	3.6	19		1.5	8	
11	1.26	7.16	1.43	0.58	7.66	1.14	0.8	15		1.3	7	
12	1.08	7.16	1.38	0.56	7.66	1.16	3.1	15	100	1.3	7	
13	1.29	7.15	1.38	0.66	7.66	1.16	2.8	14	100	1.5	8	
14	1.05	7.16	1.33	0.46	7.66	1.16	2.2	15		1.1	5	
15	1.13	7.15	1.38	0.62	7.66	1.15	1.6	12		1.4	7	
16	1.35	7.17	1.31	0.69	7.66	1.15	1.7	14		1.6	8	
17	1.24	7.16	1.35	0.67	7.66	1.16	2.2	16		1.5	8	
18	1.04	7.15	1.38	0.60	7.66	1.13	2.1	15		1.4	7	50
19	1.33	7.16	1.39	0.65	7.66	1.18	2.2	9		1.5	8	
20	1.14	7.16	1.45	0.55	7.66	1.18	1.7	10		1.2	7	
21	1.01	7.15	1.45	0.54	7.66	1.19	2.4	10		1.2	6	
22	1.09	7.16	1.39	0.55	7.66	1.18	1.5	13		1.3	7	
23	1.43	7.22	1.28	0.64	7.66	1.18	1.8	12		1.5	8	
24	1.24	7.26	1.22	0.57	7.66	1.17	1.8	17		1.3	7	
25	1.07	7.25	1.34	0.59	7.66	1.19	1.8	15		1.4	7	
26	1.12	7.22	1.49	0.56	7.67	1.20	2.4	13		1.3	7	
27	1.22	7.20	1.37	0.58	7.67	1.19	2.2	14		1.3	7	
28	1.71	7.18	1.23	0.56	7.67	1.18	2.6	14		1.3	7	
29	0.98	7.19	1.17	0.56	7.67	1.19	1.9	19		1.3	7	
30	0.95	7.04	1.13	0.42	7.68	1.17	3.9	11		0.3	5	
31	1.31	7.22	1.12	0.89	7.69	1.18	0.0	10		0.0	0	50
<b>Summary</b>	<b>38.17</b>	<b>7.17</b>	<b>1.12</b>	<b>19.01</b>	<b>7.66</b>	<b>0.96</b>	<b>67</b>	<b>426</b>	<b>300</b>	<b>41</b>	<b>213</b>	<b>150</b>
	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	109	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	639	gallons
NaF	Sodium fluoride	fluoridation		450	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:	0.88

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	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:	October, 2017		
Date:	November 10, 2017		
Signature:			

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	0.22	0.94	0.00	1.17	0.00	0.56	0.56	1.73
2	0.49	0.95	0.00	1.44	0.00	0.25	0.25	1.69
3	0.37	0.92	0.00	1.29	0.00	0.89	0.89	2.18
4	0.90	0.86	0.00	1.76	0.00	0.89	0.89	2.65
5	0.92	0.85	0.00	1.77	0.00	0.52	0.52	2.29
6	0.64	0.29	0.00	0.93	0.00	0.89	0.89	1.82
7	0.95	0.15	0.00	1.10	0.00	0.79	0.79	1.89
8	0.77	0.23	0.00	1.00	0.00	0.48	0.48	1.48
9	0.95	0.31	0.00	1.26	0.00	0.57	0.57	1.83
10	0.79	0.66	0.00	1.45	0.00	0.68	0.68	2.13
11	0.30	0.96	0.00	1.26	0.00	0.58	0.58	1.84
12	0.18	0.90	0.00	1.08	0.00	0.56	0.56	1.64
13	0.14	1.15	0.00	1.29	0.00	0.66	0.66	1.94
14	0.18	0.87	0.00	1.05	0.00	0.46	0.46	1.51
15	0.00	1.13	0.00	1.13	0.00	0.62	0.62	1.75
16	0.44	0.91	0.00	1.35	0.00	0.69	0.69	2.05
17	0.41	0.82	0.00	1.24	0.00	0.67	0.67	1.90
18	0.13	0.92	0.00	1.04	0.00	0.60	0.60	1.64
19	0.41	0.92	0.00	1.33	0.00	0.65	0.65	1.98
20	0.19	0.95	0.00	1.14	0.00	0.55	0.55	1.69
21	0.00	1.01	0.00	1.01	0.00	0.54	0.54	1.54
22	0.25	0.83	0.00	1.09	0.00	0.55	0.55	1.63
23	0.00	0.94	0.49	1.43	0.00	0.64	0.64	2.07
24	0.00	0.59	0.65	1.24	0.00	0.57	0.57	1.81
25	0.00	0.27	0.79	1.07	0.00	0.59	0.59	1.66
26	0.00	0.19	0.93	1.12	0.00	0.56	0.56	1.67
27	0.00	0.30	0.91	1.22	0.00	0.58	0.58	1.80
28	0.00	0.82	0.89	1.71	0.00	0.56	0.56	2.27
29	0.00	0.42	0.56	0.98	0.00	0.56	0.56	1.54
30	0.00	0.00	0.95	0.95	0.00	0.42	0.42	1.37
31	0.52	0.26	0.53	1.31	0.00	0.89	0.89	2.19
Sum	10.14	21.32	6.71	38.17	0.00	19.01	19.01	57.18

67% Triangle

MGD

MGD

MGD

33% Riverside

1.23

0.61


1.84

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

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **October, 2017**

Signature:  11/9/2017

**System Information**

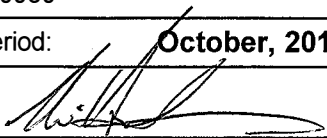
Treatment plant: **Triangle Station**  
 Chemical Used: **Sodium Fluoride**

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
10/13/17 8:20 AM		Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.17	52	0.68	0.80
2	1.44	56	0.72	0.69
3	1.29	56	0.69	0.78
4	1.76	72	0.68	0.74
5	1.77	71	0.68	0.72
6	0.93	38	0.70	0.74
7	1.10	49	0.73	0.79
8	1.00	43	0.69	0.78
9	1.26	52	0.68	0.74
10	1.45	60	0.67	0.74
11	1.26	58	0.65	0.83
12	1.08	39	0.67	0.66
13	1.29	52	0.70	0.72
14	1.05	43	0.69	0.75
15	1.13	46	0.68	0.74
16	1.35	60	0.69	0.79
17	1.24	49	0.71	0.71
18	1.04	47	0.70	0.82
19	1.33	53	0.70	0.71
20	1.14	51	0.73	0.80
21	1.01	45	0.75	0.80
22	1.09	51	0.73	0.84
23	1.43	65	0.73	0.81
24	1.24	56	0.74	0.81
25	1.07	52	0.76	0.87
26	1.12	49	0.77	0.80
27	1.22	59	0.74	0.87
28	1.71	72	0.68	0.76
29	0.98	44	0.67	0.82
30	0.95	44	0.69	0.84
31	1.31	58	0.67	0.79
<b>Avg</b>	<b>1.23</b>	<b>52.84</b>	<b>0.70</b>	<b>0.78</b>
<b>Min</b>	<b>0.93</b>	<b>38.47</b>	<b>0.65</b>	<b>0.66</b>
<b>Max</b>	<b>1.77</b>	<b>71.93</b>	<b>0.77</b>	<b>0.87</b>
<b>Total</b>	<b>38.17</b>	<b>1,637.90</b>		

**Operating comments**

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		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:	<b>October, 2017</b>	Date	GAUD mg/L
Signature: 	11/9/2017	10/13/2017 8:20	Location
			Riverside Wellhouse
			HETL mg/L
			0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.56	18	0.76	0.57
2	0.25	8	0.67	0.58
3	0.89	30	0.66	0.61
4	0.89	29	0.66	0.59
5	0.52	17	0.64	0.59
6	0.89	27	0.64	0.55
7	0.79	26	0.65	0.60
8	0.48	16	0.65	0.60
9	0.57	19	0.67	0.60
10	0.68	22	0.67	0.59
11	0.58	21	0.68	0.65
12	0.56	18	0.69	0.57
13	0.66	23	0.69	0.63
14	0.46	15	0.67	0.58
15	0.62	21	0.65	0.61
16	0.69	24	0.66	0.62
17	0.67	22	0.66	0.59
18	0.60	18	0.66	0.54
19	0.65	23	0.70	0.64
20	0.55	18	0.70	0.59
21	0.54	19	0.70	0.64
22	0.55	19	0.70	0.63
23	0.64	22	0.70	0.62
24	0.57	20	0.69	0.63
25	0.59	20	0.70	0.61
26	0.56	20	0.70	0.65
27	0.58	20	0.71	0.62
28	0.56	20	0.70	0.64
29	0.56	20	0.67	0.64
30	0.42	6	0.33	0.26
31	0.89	0	0.13	0.00
<b>Avg</b>	<b>0.61</b>	<b>19.39</b>	<b>0.65</b>	<b>0.57</b>
<b>Min</b>	<b>0.25</b>	<b>0.00</b>	<b>0.13</b>	<b>0.00</b>
<b>Max</b>	<b>0.89</b>	<b>30.00</b>	<b>0.76</b>	<b>0.65</b>
<b>Total</b>	<b>19.01</b>	<b>601.00</b>		

Operating comments

Generator power knocked VFD powered chemical feed pumps offline on 10/30 and 10/31

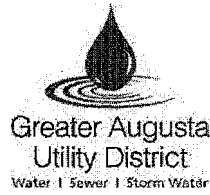
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November 9, 2017

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

Dear Denise:

Please find attached the monthly report for the Togus disinfection station for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of October, 2017.

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

Sincerely,

A handwritten signature in black ink, appearing to be "BT", written over a white background.

Brian Tarbuck, PE, System Class IV 2026



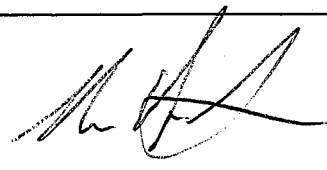
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: October, 2017

Reporting date: 11/9/2017



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
10/1/2017	60,700	1.36	0.6	
10/2/2017	72,400	1.33	0.8	
10/3/2017	86,300	1.19	0.9	
10/4/2017	64,000	1.39	0.6	
10/5/2017	70,300	1.48	0.8	
10/6/2017	66,700	1.44	0.7	
10/7/2017	0			no consumption
10/8/2017	62,200	1.41	0.6	
10/9/2017	62,000	1.43	0.7	
10/10/2017	71,800	1.27	0.7	
10/11/2017	72,300	1.30	0.7	
10/12/2017	73,800	1.30	0.8	
10/13/2017	68,000	1.20	0.7	
10/14/2017	61,700	1.19	0.7	
10/15/2017	0			no consumption
10/16/2017	123,200	1.29	1.5	
10/17/2017	65,100	1.53	0.8	
10/18/2017	68,500	1.41	0.8	
10/19/2017	70,800	1.43	0.9	
10/20/2017	70,700	1.39	0.9	
10/21/2017	59,800	1.37	0.7	
10/22/2017	0			no consumption
10/23/2017	120,500	1.34	1.5	
10/24/2017	66,300	1.50	0.8	
10/25/2017	76,300	1.36	0.9	
10/26/2017	71,600	1.51	0.9	
10/27/2017	69,800	1.39	0.9	
10/28/2017	61,200	1.34	0.7	
10/29/2017	31,500	1.27	0.3	
10/30/2017	73,600	1.55	0.8	
10/31/2017	88,600	1.68	1.0	
Sum	2,009,700		22.7	
Average	64,829	1.4	0.8	
Max		1.7		

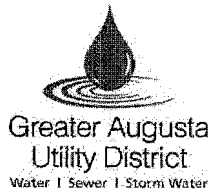
Brian Tarbuck, General Manager  
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cwarren@greateraugustautilitydistrict.org

December 5, 2017

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of November, 2017.

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.

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

Sincerely,

A handwritten signature in black ink, appearing to be "Brian Tarbuck", written over a white background.


Brian Tarbuck, PE, System Class IV 2026

<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	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 (month and year):	<b>November - 17</b>		
Date:	December 4, 2017		
Signature:			

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	1.06	7.21	1.09	0.60	7.69	1.15	2	14		1.4	7	
2	1.32	7.20	1.11	0.55	7.68	1.12	2	14		1.3	7	
3	1.06	7.19	1.20	0.42	7.68	1.12	2	7		1.0	5	
4	1.07	7.19	1.20	0.72	7.68	1.10	2	12		1.7	9	
5	1.13	7.18	1.15	0.58	7.68	1.09	2	13		1.4	7	
6	1.31	7.18	1.16	0.51	7.68	1.11	2	13		1.2	6	50
7	1.04	7.19	1.19	0.61	7.68	1.15	3	16		1.4	8	
8	1.09	7.17	1.23	0.61	7.69	1.16	4	12		1.5	8	
9	1.21	7.17	1.20	0.53	7.68	1.11	3	14		1.2	7	
10	1.16	6.97	1.19	0.54	7.68	1.11	5	22		1.2	7	
11	0.96	7.15	1.23	0.65	7.67	1.10	1	8		1.5	8	
12	1.26	7.16	1.22	0.60	7.67	1.10	2	12		1.4	8	
13	1.03	7.16	1.15	0.67	7.67	1.14	1	15		1.5	8	
14	1.00	7.16	1.22	0.59	7.66	1.11	0	12		1.4	7	50
15	1.19	7.17	1.27	0.63	7.66	1.09	1	11		1.5	8	
16	0.95	7.16	1.29	0.58	7.66	1.09	1	14		1.4	7	
17	1.13	7.16	1.29	0.58	7.66	1.10	2	12		1.3	7	
18	0.86	7.16	1.23	0.45	7.65	1.08	2	7		1.1	6	
19	1.14	7.16	1.26	0.48	7.65	1.08	0	10		1.1	6	
20	1.10	7.17	1.20	0.66	7.65	1.08	4	12	550	1.6	8	50
21	1.04	7.19	1.31	0.56	7.65	1.07	1	13		1.3	7	
22	0.86	7.21	1.33	0.62	7.65	1.07	2	12		1.5	8	
23	0.94	7.19	1.26	0.51	7.65	1.06	3	10		1.2	6	
24	1.19	7.18	1.23	0.56	7.65	1.07	1	11		1.3	7	
25	0.84	7.18	1.26	0.50	7.65	1.06	1	13		1.1	6	
26	0.79	7.20	1.17	0.52	7.65	1.07	2	9		1.2	7	
27	1.27	7.19	1.18	0.63	7.65	1.07	3	15		1.5	8	
28	0.96	7.18	1.21	0.49	7.65	1.06	2	13		1.1	6	
29	0.95	7.17	1.22	0.65	7.65	1.06	0	12		1.5	8	
30	0.95	7.16	1.23	0.57	7.65	1.06	3	11	50	1.3	7	
Summary	<b>31.85</b>	<b>7.17</b>	<b>1.09</b>	<b>17.16</b>	<b>7.66</b>	<b>1.06</b>	<b>58</b>	<b>369</b>	<b>600</b>	<b>40</b>	<b>214</b>	<b>150</b>
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used (fluoride reported separately)					
	Chemical Name	Purpose	Chemical Strength	Total	Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	98	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	583	gallons
NaF	Sodium fluoride	fluoridation		750	pounds

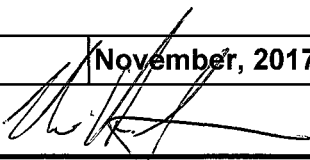
Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.75

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	<b>Brian Tarbuck</b> 2026		
btarbuck@greateraugustautilitydistrict.org			
Reporting period:	November, 2017		
Date:	December 4, 2017		
Signature:			

**Daily water production (MG)**

Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.97	0.00	0.08	1.06	0.00	0.60	0.60	1.66
2	0.75	0.00	0.57	1.32	0.00	0.55	0.55	1.87
3	0.97	0.00	0.08	1.06	0.00	0.42	0.42	1.47
4	0.83	0.00	0.24	1.07	0.00	0.72	0.72	1.79
5	0.96	0.00	0.17	1.13	0.00	0.58	0.58	1.71
6	0.69	0.25	0.37	1.31	0.00	0.51	0.51	1.82
7	0.66	0.00	0.38	1.04	0.00	0.61	0.61	1.65
8	0.96	0.00	0.13	1.09	0.00	0.61	0.61	1.70
9	0.80	0.00	0.41	1.21	0.00	0.53	0.53	1.74
10	0.92	0.00	0.24	1.16	0.00	0.54	0.54	1.70
11	0.96	0.00	0.00	0.96	0.00	0.65	0.65	1.61
12	0.94	0.00	0.32	1.26	0.00	0.60	0.60	1.86
13	0.59	0.00	0.43	1.03	0.00	0.67	0.67	1.69
14	0.77	0.00	0.23	1.00	0.00	0.59	0.59	1.59
15	0.57	0.39	0.23	1.19	0.00	0.63	0.63	1.82
16	0.14	0.81	0.00	0.95	0.00	0.58	0.58	1.54
17	0.00	1.13	0.00	1.13	0.00	0.58	0.58	1.71
18	0.05	0.81	0.00	0.86	0.00	0.45	0.45	1.32
19	0.00	1.14	0.00	1.14	0.00	0.48	0.48	1.62
20	0.36	0.74	0.00	1.10	0.00	0.66	0.66	1.76
21	0.01	0.53	0.50	1.04	0.00	0.56	0.56	1.60
22	0.00	0.08	0.78	0.86	0.00	0.62	0.62	1.48
23	0.00	0.23	0.71	0.94	0.00	0.51	0.51	1.45
24	0.00	0.52	0.67	1.19	0.00	0.56	0.56	1.74
25	0.17	0.57	0.10	0.84	0.00	0.50	0.50	1.34
26	0.79	0.00	0.00	0.79	0.00	0.52	0.52	1.31
27	0.72	0.00	0.55	1.27	0.00	0.63	0.63	1.90
28	0.61	0.00	0.35	0.96	0.00	0.49	0.49	1.45
29	0.72	0.00	0.23	0.95	0.00	0.65	0.65	1.60
30	0.95	0.00	0.00	0.95	0.00	0.57	0.57	1.51
<b>Sum</b>	<b>16.85</b>	<b>7.20</b>	<b>7.79</b>	<b>31.85</b>	<b>0.00</b>	<b>17.16</b>	<b>17.16</b>	<b>49.01</b>

65% Triangle	<u>MGD</u>	<u>MGD</u>	<u>MGD</u>
35% Riverside	1.06	0.57	1.63

<b>Monthly Fluoride Report</b>		<b>System Information</b>				
<b>System Type - Fluoride Systems</b>		Treatment plant: Triangle Station		Chemical Used: Sodium Fluoride		
System Name:	Greater Augusta Utility District					
PWSID#:	90080					
Reporting period:	November, 2017		Notes: See notes below for specific operating conditions.			
Signature:		12/4/2017	Date	GAUD mg/L	Location	HETL mg/L
			11/27/17 10:35 AM	0.77	Triangle Station	0.8

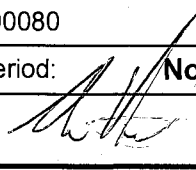
Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.06	44	0.68	0.76
2	1.32	57	0.65	0.77
3	1.06	53	0.63	0.90
4	1.07	45	0.60	0.76
5	1.13	52	0.57	0.82
6	1.31	72	0.69	0.99
7	1.04	33	0.75	0.58
8	1.09	50	0.72	0.84
9	1.21	53	0.59	0.78
10	1.16	11	0.24	0.17
11	0.96	0	0.11	0.00
12	1.26	0	0.11	0.00
13	1.03	0	0.11	0.00
14	1.00	0	0.11	0.00
15	1.19	0	0.11	0.00
16	0.95	0	0.09	0.00
17	1.13	0	0.08	0.00
18	0.86	0	0.08	0.00
19	1.14	0	0.08	0.00
20	1.10	43	0.32	0.71
21	1.04	49	0.71	0.84
22	0.86	39	0.84	0.83
23	0.94	40	0.78	0.77
24	1.19	53	0.77	0.80
25	0.84	35	0.76	0.76
26	0.79	36	0.75	0.83
27	1.27	55	0.75	0.77
28	0.96	40	0.73	0.76
29	0.95	39	0.75	0.74
30	0.95	37	0.74	0.71
<b>Avg</b>	<b>1.06</b>	<b>31.25</b>	<b>0.69</b>	<b>0.53</b>
<b>Min</b>	<b>0.79</b>	<b>0.00</b>	<b>0.08</b>	<b>0.00</b>
<b>Max</b>	<b>1.32</b>	<b>71.72</b>	<b>0.84</b>	<b>0.99</b>
<b>Total</b>	<b>31.85</b>	<b>937.53</b>		

Operating comments

System offline for heavy cleaning and maintenance.

System restored to service.

Average when system online

<b>Monthly Fluoride Report</b>		<b>System Information</b>			
<b>System Type - Fluoride Systems</b>		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:	November, 2017	Date	GAUD mg/L	Location	HETL mg/L
Signature:		12/4/2017	11/14/2017 9:30	Riverside Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.60	21	0.74	0.63
2	0.55	20	0.78	0.66
3	0.42	15	0.77	0.65
4	0.72	26	0.78	0.65
5	0.58	21	0.76	0.65
6	0.51	18	0.65	0.64
7	0.61	22	0.65	0.65
8	0.61	20	0.67	0.59
9	0.53	20	0.68	0.68
10	0.54	20	0.70	0.67
11	0.65	24	0.71	0.67
12	0.60	23	0.72	0.69
13	0.67	25	0.72	0.68
14	0.59	23	0.71	0.70
15	0.63	23	0.68	0.66
16	0.58	19	0.66	0.59
17	0.58	23	0.70	0.71
18	0.45	17	0.71	0.67
19	0.48	18	0.70	0.67
20	0.66	25	0.71	0.68
21	0.56	21	0.71	0.68
22	0.62	21	0.70	0.61
23	0.51	19	0.71	0.67
24	0.56	21	0.72	0.68
25	0.50	19	0.72	0.68
26	0.52	19	0.73	0.66
27	0.63	8	0.34	0.23
28	0.49	16	0.61	0.59
29	0.65	23	0.68	0.64
30	0.57	21	0.72	0.67
<b>Avg</b>	<b>0.57</b>	<b>20.37</b>	<b>0.70</b>	<b>0.64</b>
<b>Min</b>	<b>0.42</b>	<b>8.00</b>	<b>0.34</b>	<b>0.23</b>
<b>Max</b>	<b>0.72</b>	<b>26.00</b>	<b>0.78</b>	<b>0.71</b>
<b>Total</b>	<b>17.16</b>	<b>611.00</b>		

**Operating comments**

Lower than normal but no notes to indicate why in operations log

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine



Reporting month: November, 2017

Reporting date: 12/5/2017

Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
11/1/2017	67,200	1.45	0.7	
11/2/2017	67,800	1.31	0.7	
11/3/2017	70,200	1.29	0.8	
11/4/2017	58,600	1.30	0.6	
11/5/2017	0			no consumption
11/6/2017	111,200	1.35	1.3	
11/7/2017	68,300	1.36	0.7	
11/8/2017	90,000	1.40	1.0	
11/9/2017	61,300	1.42	0.6	
11/10/2017	76,100	1.44	0.8	
11/11/2017	157,300	1.14	0.9	
11/12/2017	158,500	0.65	0.0	hypochlorite pump turned off due to elevated chlorine residual issue
11/13/2017	73,800	1.35	0.7	
11/14/2017	68,700	1.49	0.7	
11/15/2017	68,700	1.27	0.7	
11/16/2017	58,700	1.52	0.5	
11/17/2017	57,800	1.40	0.5	
11/18/2017	10,300	1.57	0.1	
11/19/2017	42,500	1.54	0.4	
11/20/2017	56,700	1.37	0.5	
11/21/2017	60,900	1.44	0.6	
11/22/2017	61,800	1.40	0.6	
11/23/2017	0			no consumption
11/24/2017	60,600	1.43	0.6	
11/25/2017	53,600	1.40	0.5	
11/26/2017	0			no consumption
11/27/2017	59,500	1.46	0.6	
11/28/2017	107,000	1.41	1.0	
11/29/2017	56,400	1.33	0.5	
11/30/2017	58,100	1.42	0.5	
Sum	1,941,600		17.2	
Average	64,720	1.4	0.6	
Max		1.6		

Brian Tarbuck, General Manager  
[btarbuck@greateraugustautilitydistrict.org](mailto:btarbuck@greateraugustautilitydistrict.org)

Ken Knight, Board Chair  
[kknight@greateraugustautilitydistrict.org](mailto:kknight@greateraugustautilitydistrict.org)

Dave Bustin, Hallowell voting member, Clerk  
[dbustin@greateraugustautilitydistrict.org](mailto:dbustin@greateraugustautilitydistrict.org)

Bob Corey, Treasurer  
[bcorey@greateraugustautilitydistrict.org](mailto:bcorey@greateraugustautilitydistrict.org)

Kirsten Hebert  
[khebert@greateraugustautilitydistrict.org](mailto:khebert@greateraugustautilitydistrict.org)



[www.greateraugustautilitydistrict.org](http://www.greateraugustautilitydistrict.org)  
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Bradley Sawyer  
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Keith Luke, Augusta ex-officio member  
[kluke@greateraugustautilitydistrict.org](mailto:kluke@greateraugustautilitydistrict.org)

Charlotte Warren, Hallowell ex-officio member  
[cwarren@greateraugustautilitydistrict.org](mailto:cwarren@greateraugustautilitydistrict.org)

January 10, 2018

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

Dear Denise:

Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of December, 2017.

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.

The mechanical flowmeter used to record the flow of water into the upflow sodium fluoride saturator at Triangle Station failed and is not worth repairing. We are investigating other flow measurement and analog recording options now and hope to have a solution in place within a couple of weeks.

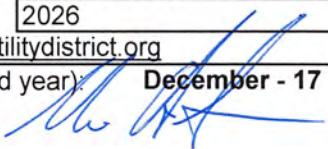
We had a critical failure of our primary SCADA server in mid December. The motherboard failed. The after action review of that incident led to a different data backup plan for our systems and the acquisition of replacement SCADA servers which should be here within three weeks. The failure was on the hard drives which could not be reused in a different computer due to specific RAID configuration on the drives. Our systemic improvements will prevent this from recurring. I've included a chart of the impacted data but can't state with certainty the gallons used of sodium hypochlorite and Calciquest on December 15, 16 and 17.

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

Sincerely,

Brian Tarbuck, PE, System Class IV 2026




<b>Monthly Operating Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>Triangle &amp; Riverside</b>	
System Name:	<b>Greater Augusta Utility District</b>	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 that Triangle Station calcquest level is read daily when an operator is on site. We are working to install a continuous flow recorder on the outlet of the chemical feed pump to improve accuracy of reporting.	
Reporting period (month and year): <b>December - 17</b>			
Date:	January 9, 2018		
Signature:			

Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	0.98	7.17	1.22	0.64	7.65	1.05	0	11		1	8	
2	1.06	7.17	1.23	0.51	7.65	1.05	3	13		1	6	
3	1.01	7.17	1.19	0.54	7.64	1.05	1	12		1	7	
4	0.98	7.16	1.19	0.60	7.64	1.04	2	12	50	1	8	
5	0.95	7.15	1.18	0.53	7.65	1.26	2	11		1	7	
6	0.94	7.15	1.17	0.61	7.65	1.29	1	11		1	8	
7	0.96	7.15	1.21	0.57	7.65	1.24	3	13		1	6	
8	1.02	7.15	1.28	0.59	7.64	1.18	3	12	100	1	6	50
9	1.00	7.14	1.28	0.54	7.64	1.18	2	12		1	6	
10	1.01	7.15	1.23	0.52	7.64	1.18	2	13		1	6	
11	0.93	7.15	1.24	0.66	7.64	1.18	3	11		2	7	
12	0.80	7.13	1.24	0.54	7.64	1.18	2	10		1	6	
13	0.94	7.14	1.24	0.52	7.65	1.18	2	12		1	6	
14	1.16	7.14	1.26	0.57	7.65	1.18	3	14		1	6	
15	1.16	7.14	1.25	0.43	7.65	1.18	2	12		<b>See report narrative for this period.</b>		
16	0.89	7.14	1.23	0.62	7.66	1.15	2	11				
17	1.03	7.14	1.25	0.66	7.65	1.16	2	13				
18	0.79	7.14	1.25	0.61	7.65	1.17	2	9		1	7	
19	1.02	7.15	1.31	0.55	7.65	1.16	2	12	100	1	6	50
20	1.17	7.15	1.28	0.54	7.65	1.17	3	14		1	6	
21	1.06	7.15	1.28	0.52	7.65	1.23	3	12		1	6	
22	1.10	7.15	1.28	0.58	7.66	1.18	3	9		1	6	
23	0.97	7.14	1.26	0.58	7.66	1.14	2	11		1	6	
24	0.85	7.16	1.27	0.52	7.67	1.13	1	11		1	6	
25	0.70	7.14	1.26	0.44	7.66	1.12	3	8		1	5	
26	1.21	7.15	1.26	0.62	7.66	1.11	2	14	50	1	7	
27	0.91	7.13	1.26	0.62	7.67	1.10	3	10		1	7	
28	1.00	7.12	1.33	0.58	7.67	1.09	2	12		1	6	
29	1.15	7.12	1.37	0.63	7.67	1.09	3	13		1	7	
30	1.15	7.12	1.38	0.60	7.67	1.08	2	14		1	6	
31	1.42	7.14	1.29	0.89	7.66	1.08	3	16		1	5	
<b>Summary</b>	<b>31.33</b>	<b>7.15</b>	<b>1.17</b>	<b>17.92</b>	<b>7.65</b>	<b>1.04</b>	<b>70</b>	<b>367</b>	<b>300</b>	<b>37</b>	<b>177</b>	<b>100</b>
	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	107 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	545 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:	0.87

<b>Monthly Well Production Report</b>		<b>System Information</b>	
<b>System Type - All GW systems</b>		Treatment plant/pump station: <b>All wells</b>	
System Name:	<b>Greater Augusta Utility District</b>	Community System	
PWSID#:	<b>90080</b>	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
ptarbuck@greataugustautilitydistrict.org			
Reporting period:	December, 2017		
Date:	January 10, 2018		
Signature:			

**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	0.81	0.00	0.16	0.98	0.00	0.64	0.64	1.62
2	0.93	0.00	0.12	1.06	0.00	0.51	0.51	1.57
3	0.57	0.00	0.44	1.01	0.00	0.54	0.54	1.55
4	0.67	0.00	0.31	0.98	0.00	0.60	0.60	1.58
5	0.82	0.00	0.14	0.95	0.00	0.53	0.53	1.48
6	0.75	0.06	0.13	0.94	0.00	0.61	0.61	1.55
7	0.90	0.00	0.06	0.96	0.00	0.57	0.57	1.53
8	0.80	0.00	0.22	1.02	0.00	0.59	0.59	1.61
9	0.87	0.00	0.13	1.00	0.00	0.54	0.54	1.53
10	0.63	0.00	0.38	1.01	0.00	0.52	0.52	1.53
11	0.62	0.00	0.30	0.93	0.00	0.66	0.66	1.59
12	0.80	0.00	0.00	0.80	0.00	0.54	0.54	1.34
13	0.81	0.00	0.13	0.94	0.00	0.52	0.52	1.46
14	0.90	0.00	0.26	1.16	0.00	0.57	0.57	1.73
15	0.78	0.00	0.39	1.16	0.00	0.43	0.43	1.59
16	0.58	0.00	0.31	0.89	0.00	0.62	0.62	1.51
17	0.64	0.00	0.39	1.03	0.00	0.66	0.66	1.69
18	0.39	0.00	0.41	0.79	0.00	0.61	0.61	1.41
19	0.00	0.23	0.79	1.02	0.00	0.55	0.55	1.57
20	0.00	0.26	0.90	1.17	0.00	0.54	0.54	1.70
21	0.00	0.17	0.89	1.06	0.00	0.52	0.52	1.58
22	0.10	0.29	0.71	1.10	0.00	0.58	0.58	1.69
23	0.00	0.38	0.59	0.97	0.00	0.58	0.58	1.55
24	0.00	0.12	0.73	0.85	0.00	0.52	0.52	1.37
25	0.00	0.16	0.54	0.70	0.00	0.44	0.44	1.14
26	0.33	0.53	0.35	1.21	0.00	0.62	0.62	1.83
27	0.16	0.74	0.00	0.91	0.00	0.62	0.62	1.53
28	0.00	1.00	0.00	1.00	0.00	0.58	0.58	1.58
29	0.00	1.15	0.00	1.15	0.00	0.63	0.63	1.78
30	0.00	1.15	0.00	1.15	0.00	0.60	0.60	1.76
31	0.46	0.96	0.00	1.42	0.00	0.89	0.89	2.30
Sum	14.33	7.20	9.80	31.33	0.00	17.92	17.92	49.25

64% Triangle

MGD

MGD

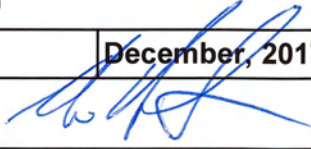
MGD

36% Riverside

1.01

0.58

1.59

<b>Monthly Fluoride Report</b>		<b>System Information</b>	
<b>System Type - Fluoride Systems</b>		Treatment plant: <u>Triangle Station</u>	
System Name:	Greater Augusta Utility District	Chemical Used: <u>Sodium Fluoride</u>	
PWSID#: 90080		Notes: See notes below for specific operating conditions.	
Reporting period:	<b>December, 2017</b>	Date	Location
Signature: 	1/10/2018	12/14/2017:10:30	Triangle Wellhouse
			HETL mg/L
			0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.98	42	0.74	0.76
2	1.06	43	0.73	0.74
3	1.01	43	0.74	0.76
4	0.98	37	0.76	0.69
5	0.95	42	0.76	0.80
6	0.94	38	0.77	0.73
7	0.96	42	0.76	0.80
8	1.02		0.71	0.00
9	1.00		0.67	0.00
10	1.01		0.68	0.00
11	0.93		0.67	0.00
12	0.80		0.66	0.00
13	0.94		0.67	0.00
14	1.16		0.67	0.00
15	1.16		0.69	0.00
16	0.89		0.68	0.00
17	1.03		0.69	0.00
18	0.79		0.68	0.00
19	1.02		0.67	0.00
20	1.17		0.67	0.00
21	1.06		0.68	0.00
22	1.10		0.70	0.00
23	0.97		0.71	0.00
24	0.85		0.73	0.00
25	0.70		0.71	0.00
26	1.21		0.69	0.00
27	0.91		0.68	0.00
28	1.00		0.70	0.00
29	1.15		0.70	0.00
30	1.15		0.70	0.00
31	1.42		0.69	0.00
<b>Avg</b>	<b>1.01</b>	<b>41.19</b>	<b>0.70</b>	<b>0.17</b>
<b>Min</b>	<b>0.70</b>	<b>37.40</b>	<b>0.66</b>	<b>0.00</b>
<b>Max</b>	<b>1.42</b>	<b>43.45</b>	<b>0.77</b>	<b>0.80</b>
<b>Total</b>	<b>31.33</b>	<b>288.32</b>		

**Operating comments**

Fluoride upflow saturator makeup water meter did not record on SCADA during this period. This wasn't observed until the 8th of January when reports were processed.

Analysis showed that though the local digital display worked the pulse converter had failed and suppressed the 4-20 milliamp analog output to the SCADA computer.

Fortunately the ATI fluoride residual analyzer was working properly throughout this period.

<b>Monthly Fluoride Report</b>		<b>System Information</b>		
<b>System Type - Fluoride Systems</b>		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:	<b>December, 2017</b>	Date	Location	HETL mg/L
Signature:	1/10/2018	12/14/2017 9:30	Riverside Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.64	24	0.70	0.68
2	0.51	19	0.67	0.67
3	0.54	20	0.63	0.67
4	0.60	23	0.63	0.69
5	0.53	20	0.63	0.68
6	0.61	23	0.64	0.68
7	0.57	22	0.65	0.70
8	0.59	22	0.69	0.67
9	0.54	21	0.76	0.70
10	0.52	18	0.77	0.63
11	0.66	26	0.77	0.71
12	0.54	21	0.75	0.70
13	0.52	21	0.73	0.73
14	0.57	22	0.72	0.69
15	0.43	11	0.71	0.46
16	0.62	32	0.66	0.94
17	0.66	30	0.66	0.81
18	0.61	25	0.66	0.74
19	0.55	21	0.66	0.69
20	0.54	23	0.73	0.77
21	0.52	23	0.82	0.80
22	0.58	25	0.74	0.77
23	0.58	25	0.71	0.77
24	0.52	22	0.68	0.76
25	0.44	19	0.65	0.78
26	0.62	28	0.64	0.81
27	0.62	28	0.62	0.81
28	0.58	25	0.60	0.77
29	0.63	29	0.59	0.83
30	0.60	24	0.57	0.72
31	0.48	20	0.47	0.74
<b>Avg</b>	<b>0.56</b>	<b>22.97</b>	<b>0.67</b>	<b>0.73</b>
<b>Min</b>	<b>0.43</b>	<b>11.00</b>	<b>0.47</b>	<b>0.46</b>
<b>Max</b>	<b>0.66</b>	<b>32.00</b>	<b>0.82</b>	<b>0.94</b>
<b>Total</b>	<b>17.51</b>	<b>712.00</b>		

Operating comments

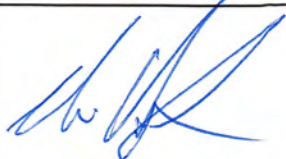
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: December, 2017

Reporting date: 1/10/2018



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
12/1/2017	57,500	1.37	0.5	
12/2/2017	54,400	1.39	0.5	
12/3/2017	0			no consumption
12/4/2017	111,100	1.40	1.2	
12/5/2017	57,900	1.38	0.5	
12/6/2017	60,100	1.36	0.6	
12/7/2017	61,400	1.40	0.6	
12/8/2017	120,100	1.50	1.2	
12/9/2017	63,100	1.43	0.6	
12/10/2017	37,400	1.27	0.4	
12/11/2017	69,800	1.31	0.7	
12/12/2017	60,200	1.05	0.4	
12/13/2017	59,700	1.19	0.6	
12/14/2017	65,800	1.23	0.8	
12/15/2017	65,800	1.26	3.3	
12/16/2017	55,800			
12/17/2017	55,900	1.34	0.6	
12/18/2017	60,000	1.30	0.7	
12/19/2017	61,600	0.86	-	hypochlorite off
12/20/2017	62,300	1.49	0.3	
12/21/2017	65,700	1.71	0.5	
12/22/2017	65,900	1.68	0.4	
12/23/2017	57,900	1.56	0.4	
12/24/2017	53,200	1.57	0.3	
12/25/2017	54,000	1.68	0.3	
12/26/2017	55,600	1.48	0.4	
12/27/2017	78,300	1.54	0.5	
12/28/2017	59,200	1.61	0.4	
12/29/2017	59,400	1.56	0.4	
12/30/2017	55,300	1.61	0.3	
12/31/2017	47,400	1.57	0.3	
Sum	1,891,800		17.7	
Average	61,026	1.4	0.6	
Max		1.7		

# GAUD Riverside chemical tank levels showing data gaps

