

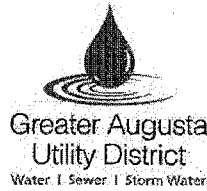
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greateraugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greateraugustautilitydistrict.org

Dave Bustin, Hallowell voting member
dbustin@greateraugustautilitydistrict.org



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

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Sukey Sikora
ssikora@greateraugustautilitydistrict.org

Lesley Jones, Augusta ex-officio member
ljones@greateraugustautilitydistrict.org

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

February 9, 2016

Jason Pushard
State of Maine, Drinking Water Program
11 State House Station
Augusta, ME 04333-0011

Dear Mr. Pushard:

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, 2016.

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 VA Small Water System Chlorination Report Forms for buildings 200, 206 and 207.

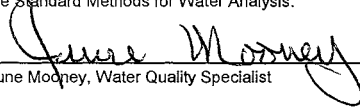
If you have any questions, please contact me at 622-3701.

Sincerely,

Brian Tarbuck, PE

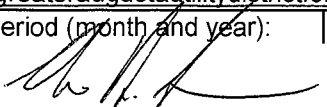
Bacteriological Report Form
Utility: Greater Augusta Utility District, PWSID ME0090080
Greater Augusta Utility District Laboratory, ME00012

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	27
Number of quality control samples	1
Number of positive samples	0

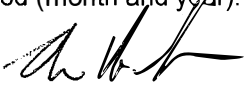
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform		Method	Lauryl Tryptose				
										Present/Absent	MF/COLILERT	24 hr	48 hr	bril. green	EC 44.5c	HPC 48 hrs	
1	WESTERN STA.	DIS	MOONEY	1-5-16/9:40	0.74	0.74	0.64	MOONEY	1-5-16/2:45	A	COLILERT						
2	TRIANGLE WELLHOUSE	DIS	MOONEY	1-5-16/10:10	1.14	1.13	0.66	MOONEY	1-5-16/2:45	A	COLILERT						
3	NORTHWEST STA.	DIS	MOONEY	1-5-16/10:35	1.03	1.03	0.65	MOONEY	1-5-16/2:45	A	COLILERT						
4	WILLOW ST. STA.	DIS	MOONEY	1-5-16/11:00	0.60	0.60	0.66	MOONEY	1-5-16/2:45	A	COLILERT						
5	12 WILLIAMS ST.	DIS	MOONEY	1-5-16/11:15	0.78	0.78	0.66	MOONEY	1-5-16/2:45	A	COLILERT						
6	HOSPITAL ST. STA.	DIS	MOONEY	1-5-16/11:35	1.03	1.03	0.66	MOONEY	1-5-16/2:45	A	COLILERT						
7	RIVERSIDE WELLHOUSE	DIS	MOONEY	1-5-16/12:05	1.16	1.16	0.67	MOONEY	1-5-16/2:45	A	COLILERT						
8	WESTERN STA.	DIS	MOONEY	1-12-16/9:10	0.75	0.76	0.67	MOONEY	1-12-16/2:15	A	COLILERT						
9	TRIANGLE WELLHOUSE	DIS	MOONEY	1-12-16/9:25	1.09	1.09	0.54	MOONEY	1-12-16/2:15	A	COLILERT						
10	NORTHWEST STA.	DIS	MOONEY	1-12-16/9:55	1.13	1.13	0.58	MOONEY	1-12-16/2:15	A	COLILERT						
11	12 WILLIAMS ST.	DIS	MOONEY	1-12-16/10:15	0.86	0.84	0.69	MOONEY	1-12-16/2:15	A	COLILERT						
12	HOSPITAL ST. STA.	DIS	MOONEY	1-12-16/10:40	0.84	0.84	0.70	MOONEY	1-12-16/2:15	A	COLILERT						
13	TOGUS STA.	DIS	MOONEY	1-12-16/11:05.8	0.66	0.67	0.69	MOONEY	1-12-16/2:15	A	COLILERT						
14	RIVERSIDE WELLHOUSE	DIS	MOONEY	1-12-16/11:35	1.07	1.07	0.76	MOONEY	1-12-16/2:15	A	COLILERT						
15	WESTERN STA.	DIS	MOONEY	1-19-16/11:30	0.91	0.92	<.2	MOONEY	1-20-16/9:30	A	COLILERT						
16	TRIANGLE WELLHOUSE	DIS	MOONEY	1-19-16/11:50	1.07	1.06	<.2	MOONEY	1-20-16/9:30	A	COLILERT						
17	NORTHWEST STA.	DIS	MOONEY	1-19-16/12:10	1.09	1.10	<.2	MOONEY	1-20-16/9:30	A	COLILERT						
18	12 WILLIAMS ST.	DIS	MOONEY	1-19-16/12:40	0.50	0.51	0.66	MOONEY	1-20-16/9:30	A	COLILERT						
19	HOSPITAL ST. STA.	DIS	MOONEY	1-19-16/1:15	0.97	0.96	0.68	MOONEY	1-20-16/9:30	A	COLILERT						
20	RIVERSIDE WELLHOUSE	DIS	MOONEY	1-19-16/1:45	1.11	1.11	0.86	MOONEY	1-20-16/9:30	A	COLILERT						
21	QUALITY INN	DIS	MOONEY	1-19-16/2:30	0.54	0.54	0.57	MOONEY	1-20-16/9:30	A	COLILERT						
22	MANCHESTER TOWN OFFICE	DIS	MOONEY	1-26-16/10:10	0.48	0.49	0.69	MOONEY	1-26-16/2:30	A	COLILERT						
23	TRIANGLE WELLHOUSE	DIS	MOONEY	1-26-16/10:30	1.06	1.06	0.70	MOONEY	1-26-16/2:30	A	COLILERT						
24	NORTHWEST STA.	DIS	MOONEY	1-26-16/10:55	1.08	1.08	0.67	MOONEY	1-26-16/2:30	A	COLILERT						
25	12 WILLIAMS ST.	DIS	MOONEY	1-26-16/11:20	0.88	0.88	0.68	MOONEY	1-26-16/2:30	A	COLILERT						
26	HOSPITAL ST. STA.	DIS	MOONEY	1-26-16/11:40	0.97	0.97	0.67	MOONEY	1-26-16/2:30	A	COLILERT						
27	RIVERSIDE WELLHOUSE	DIS	MOONEY	1-26-16/12:00	1.12	1.12	0.69	MOONEY	1-26-16/2:30	A	COLILERT						
*	LAB DISTILLED WATER	QC	MOONEY	1-20-16/8:00	0.01	0.01		MOONEY	1-20-16/9:30								0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
	btarbuck@greataugustacitydistrict.org		
Reporting period (month and year):	January - 16		
Signature:		2/4/2016	

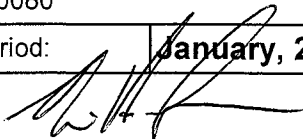
Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	0.95	7.30	1.10	0.54	7.34	1.20	0	14		-	4	
2	1.02	7.28	1.14	0.41	7.35	1.20	1	12		1.6	5	
3	1.03	7.27	1.17	0.51	7.35	1.17	1	9		-	4	
4	0.89	7.28	1.04	0.53	7.35	1.07	1	12	0	1.6	5	0
5	1.03	7.29	1.23	0.60	7.36	1.07	1	10	0	-	6	0
6	1.10	7.28	1.24	0.47	7.36	1.08	1	11	0	1.6	5	0
7	1.08	7.27	1.26	0.56	7.36	1.06	1	12	0	-	5	0
8	1.05	7.27	1.27	0.55	7.37	1.05	2	13	0	1.6	5	0
9	0.92	7.28	1.21	0.40	7.37	1.04	0	11		1.6	5	
10	1.11	7.26	1.30	0.42	7.37	1.04	-1	9		-	5	
11	1.04	7.24	1.36	0.66	7.37	1.06	0	11	0	1.6	4	50
12	1.07	7.25	1.31	0.53	7.32	1.05	2	13	0	-	6	0
13	0.91	7.26	1.18	0.53	7.31	1.06	1	12	0	0.9	5	0
14	1.06	7.26	1.24	0.51	7.33	1.05	1	11	0	0.8	5	0
15	1.07	7.26	1.23	0.55	7.34	1.06	1	11	0	0.9	5	0
16	0.92	7.27	1.16	0.52	7.35	1.05	1	11		0.9	5	
17	1.13	7.25	1.25	0.43	7.35	1.05	1	9		0.7	4	
18	0.99	7.25	1.24	0.49	7.36	1.04	1	13		0.8	5	
19	0.87	7.26	1.17	0.52	7.36	1.03	1	12	550	0.8	5	0
20	1.12	7.24	1.25	0.51	7.36	1.02	1	10	0	0.8	5	0
21	1.10	7.25	1.22	0.58	7.37	1.04	1	12	0	0.9	6	0
22	1.19	7.25	1.24	0.52	7.38	0.94	1	12	0	0.8	5	50
23	1.09	7.25	1.19	0.49	7.39	1.06	1	13		0.7	5	
24	1.11	7.24	1.19	0.56	7.39	1.03	1	12		0.9	6	
25	1.26	7.24	1.26	0.51	7.40	1.03	0	11	0	0.8	5	50
26	0.98	7.25	1.19	0.55	7.40	1.05	2	15	0	0.8	5	0
27	1.12	7.24	1.22	0.55	7.40	1.06	0	12	0	0.9	6	0
28	1.01	7.24	1.20	0.49	7.41	1.09	2	13	0	0.7	5	0
29	1.11	7.24	1.19	0.57	7.40	1.07	1	11	100	0.9	6	0
30	1.02	7.25	1.17	0.53	7.41	1.06	1	11		0.8	5	
31	1.07	7.25	1.18	0.50	7.41	1.07	1	11		0.7	5	
Summary	32.43	7.26	1.04	16.09	7.37	0.94	22	359	650	25	158	150
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used (fluoride reported separately)				
	Chemical Name	Purpose	Chemical Strength	Total Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	47 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	518 gallons
NaF	Sodium fluoride	fluoridation		800 pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	27	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.91

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District		
PWSID#:	90080		
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greATERaugustautILITYdistrict.org		List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Reporting period (month and year):		January, 2016	
Signature:	 February 4, 2016		

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	0.92	0.00	0.04	0.95	0.54	0.00	0.54	1.50
2	0.71	0.00	0.31	1.02	0.41	0.00	0.41	1.43
3	0.59	0.00	0.43	1.03	0.50	0.00	0.51	1.53
4	0.71	0.00	0.18	0.89	0.53	0.00	0.53	1.42
5	0.92	0.00	0.11	1.03	0.60	0.00	0.60	1.64
6	0.91	0.00	0.19	1.10	0.47	0.00	0.47	1.57
7	0.90	0.00	0.18	1.08	0.56	0.00	0.56	1.64
8	0.91	0.00	0.14	1.05	0.55	0.00	0.55	1.60
9	0.91	0.00	0.00	0.92	0.40	0.00	0.40	1.31
10	0.90	0.00	0.21	1.11	0.41	0.00	0.42	1.52
11	0.57	0.00	0.48	1.04	0.66	0.00	0.66	1.70
12	0.73	0.00	0.34	1.07	0.53	0.00	0.53	1.60
13	0.91	0.00	0.00	0.91	0.53	0.00	0.53	1.45
14	0.91	0.00	0.16	1.06	0.50	0.00	0.51	1.57
15	0.91	0.00	0.17	1.07	0.55	0.00	0.55	1.62
16	0.91	0.00	0.00	0.92	0.52	0.00	0.52	1.44
17	0.63	0.19	0.31	1.13	0.43	0.00	0.43	1.56
18	0.61	0.00	0.38	0.99	0.49	0.00	0.49	1.47
19	0.75	0.00	0.12	0.87	0.52	0.00	0.52	1.40
20	0.83	0.00	0.29	1.12	0.51	0.00	0.51	1.64
21	0.91	0.04	0.15	1.10	0.58	0.00	0.58	1.67
22	0.90	0.00	0.28	1.19	0.52	0.00	0.52	1.71
23	0.90	0.00	0.19	1.09	0.49	0.00	0.49	1.58
24	0.90	0.00	0.21	1.11	0.56	0.00	0.56	1.67
25	0.62	0.29	0.35	1.26	0.51	0.00	0.51	1.78
26	0.64	0.12	0.23	0.98	0.55	0.00	0.55	1.53
27	0.71	0.10	0.31	1.12	0.55	0.00	0.55	1.67
28	0.73	0.00	0.28	1.01	0.49	0.00	0.49	1.50
29	0.91	0.00	0.20	1.11	0.57	0.00	0.57	1.68
30	0.91	0.00	0.11	1.02	0.53	0.00	0.53	1.55
31	0.90	0.00	0.16	1.07	0.50	0.00	0.50	1.57
Sum	25.14	0.76	6.52	32.43	16.06	0.03	16.09	48.52

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant:	Triangle Station
System Name:	Greater Augusta Utility District	Chemical Used:	Sodium Fluoride
PWSID#:	90080	Notes: See notes below for specific operating conditions.	
Reporting period:	January, 2016	Date	GAUD mg/L
Signature: 	2/4/2016	1/20/2016 0:00	0.60
		Location	HETL mg/L
		Triangle Station	

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.95	39	0.66	0.74
2	1.02	46	0.70	0.82
3	1.03	44	0.67	0.78
4	0.89	41	0.68	0.82
5	1.03	44	0.65	0.78
6	1.10	49	0.62	0.79
7	1.08	45	0.58	0.74
8	1.05	45	0.59	0.78
9	0.92	39	0.56	0.77
10	1.11	46	0.55	0.75
11	1.04	46	0.57	0.78
12	1.07	45	0.55	0.76
13	0.91	39	0.54	0.78
14	1.06	13	0.18	0.22
15	1.07	0	0.00	0.00
16	0.92	0	0.00	0.00
17	1.13	0	0.00	0.00
18	0.99	0	0.00	0.00
19	0.87	9	0.05	0.19
20	1.12	28	0.40	0.45
21	1.10	48	0.68	0.78
22	1.19	52	0.72	0.78
23	1.09	47	0.69	0.77
24	1.11	47	0.69	0.77
25	1.26	50	0.69	0.71
26	0.98	41	0.69	0.76
27	1.12	46	0.69	0.75
28	1.01	42	0.70	0.76
29	1.11	40	0.71	0.66
30	1.02	43	0.72	0.77
31	1.07	46	0.73	0.78
Avg	1.05	36.25	0.52	0.62
Min	0.87	0.00	0.00	0.00
Max	1.26	51.53	0.73	0.82
Total	32.43	1,123.65		

Operating comments

1/14/2016 fluoride system shut off for cleaning and maintenance

1/19/2016 saturator refilled

1/20/2016 fluoride system back on line

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: **January, 2016**

Notes: See notes below for specific operating conditions.

Signature:  2/4/2016

Date	GAUD mg/L	Location	HETL mg/L
1/20/2016 0:00	0.60	Triangle Station	

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.54	23	0.73	0.76
2	0.41	17	0.72	0.75
3	0.51	21	0.71	0.75
4	0.53	12	0.71	0.40
5	0.60	25	0.71	0.75
6	0.47	20	0.71	0.77
7	0.56	23	0.72	0.74
8	0.55	23	0.72	0.75
9	0.40	17	0.72	0.77
10	0.42	17	0.70	0.74
11	0.66	25	0.75	0.68
12	0.53	17	0.64	0.57
13	0.53	23	0.74	0.78
14	0.51	22	0.73	0.78
15	0.55	23	0.77	0.75
16	0.52	23	0.74	0.79
17	0.43	19	0.78	0.79
18	0.49	21	0.74	0.77
19	0.52	23	0.72	0.79
20	0.51	22	0.66	0.77
21	0.58	25	0.67	0.78
22	0.52	19	0.72	0.65
23	0.49	20	0.70	0.74
24	0.56	23	0.70	0.74
25	0.51	19	0.71	0.66
26	0.55	22	0.72	0.72
27	0.55	22	0.69	0.72
28	0.49	20	0.73	0.74
29	0.57	23	0.83	0.73
30	0.53	23	0.74	0.78
31	0.50	20	0.71	0.73
Avg	0.52	21.03	0.72	0.73
Min	0.40	12.00	0.64	0.40
Max	0.66	25.00	0.83	0.79
Total	16.09	652.00		

Operating comments

Building 200

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: SAN 2016

Signature: B-Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2					
3					
4	54,178	3.5	.63	1.18	.39
5					
6	43,695	2.5	.65	1.36	.39
7	16,810	1.0	.60	1.53	.39
8	18,781	1.0	.63	1.00	.20
9					
10					
11	34,086	2.0	.62	1.46	.30
12	19,354	1.0	.65	1.14	.29
13					
14	42,730	2.0	.67	1.20	.33
15	21,434	1.5	.70	1.24	.44
16					
17					
18					
19	45,004	2.75	.72	1.33	.45
20	20,398	.75	.75	1.17	.33
21	18,248	1.25	.75	1.11	.35
22					
23	44,293	2.75	.74	1.20	.33
24					
25	20,410	1.0	.84	1.52	.
26	22,101	1.25	.82	1.35	
27					
28	46,251	2.75	.82	1.37	.41
29	7,710	1.0	.82	1.42	.49
30					
31					

TOTAL - 489,583 | 28.0

Building 206

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: JAN 2016

Signature: B-Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2					
3	11,471	2.0	.63	.81	.33
4					
5					
6	7,477	1.0	.65	1.33	.49
7	2,736		.65	1.26	.40
8					
9					
10					
11	5,245	1.0	.63	1.50	.44
12	3,319		.65	1.10	
13					
14	6,142	.5	.67	1.10	.40
15	4,244		.68	1.21	.41
16					
17					
18					
19	9,784	1.0	.70	1.03	.37
20					
21					
22	10,001	.75	.72	1.00	.29
23					
24					
25	8,029	.25	.80	.96	.22
26					
27					
28	9,262	1.0	.82	1.15	.39
29	2,774		.82	1.45	.55
30					
31					

TOTAL → 80,484 7.5

Building 207

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: Jan 2016

Signature: B-Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2					
3	17,040	2.0	.67	1.40	.55
4	3,398	1.0	.62	1.21	.45
5					
6					
7	16,121	1.5	.70	1.18	.40
8					
9					
10					
11					
12	43,672	2.5	.66	1.21	.45
13					
14					
15					
16					
17	10,080	1.5	.70	1.22	.37
18					
19	6,891	.5	.70	1.09	.39
20	1,802		.71	.90	.21
21					
22					
23					
24					
25	10,947	.75	.79	1.04	.29
26					
27					
28	7,381	.5	.82	1.17	.39
29	2,617	0	.93	1.12	.44
30					
31					

Total - 119,949 | 10.25

Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greateraugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greateraugustautilitydistrict.org

Sukey Sikora, Clerk
ssikora@greateraugustautilitydistrict.org



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

Dave Bustin, Hallowell voting member
dbustin@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Lesley Jones, Augusta ex-officio member
ljones@greateraugustautilitydistrict.org

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

March 9, 2016

Jason Pushard
State of Maine, Drinking Water Program
11 State House Station
Augusta, ME 04333-0011

Dear Mr. Pushard:

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, 2016.

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 VA Small Water System Chlorination Report Forms for buildings 200, 206 and 207.

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

Sincerely,

Brian Tarbuck, PE

Bacteriological Report Form

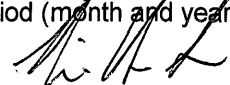
Utility: Greater Augusta Utility District, PWSID ME0090080
 Greater Augusta Utility District Laboratory, ME00012

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
 June Mooney, Water Quality Specialist

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

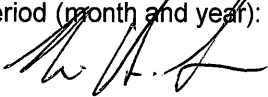
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform	Method	Lauryl Tryptose				
										Present/Absent	MF/COLILERT	24 hr	48 hr	bril. green	EC 44.5c	HPC 48 hrs
1	WESTERN STA.	DIS	MOONEY	2-2-16/9:20	0.81	0.82	0.57	MOONEY	2-2-16/2:15	A	COLILERT					
2	TRIANGLE WELLHOUSE	DIS	MOONEY	2-2-16/9:40	1.04	1.03	0.65	MOONEY	2-2-16/2:15	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	2-2-16/10:00	1.04	1.03	0.69	MOONEY	2-2-16/2:15	A	COLILERT					
4	WILLOW ST. STA.	DIS	MOONEY	2-2-16/10:20	0.59	0.60	0.52	MOONEY	2-2-16/2:15	A	COLILERT					
5	12 WILLIAMS ST.	DIS	MOONEY	2-2-16/10:35	0.89	0.89	0.65	MOONEY	2-2-16/2:15	A	COLILERT					
6	HOSPITAL ST. STA.	DIS	MOONEY	2-2-16/11:10	0.98	0.98	0.64	MOONEY	2-2-16/2:15	A	COLILERT					
7	RIVERSIDE WELLHOUSE	DIS	MOONEY	2-2-16/11:45	1.18	1.18	0.67	MOONEY	2-2-16/2:15	A	COLILERT					
8	WESTERN STA.	DIS	MOONEY	2-10-16/9:50	0.85	0.86	0.61	MOONEY	2-10-16/2:45	A	COLILERT					
9	NORTHWEST STA.	DIS	MOONEY	2-10-16/10:15	1.14	1.14	0.72	MOONEY	2-10-16/2:45	A	COLILERT					
10	TRIANGLE WELLHOUSE	DIS	MOONEY	2-10-16/10:45	1.10	1.09	0.69	MOONEY	2-10-16/2:45	A	COLILERT					
11	12 WILLIAMS ST.	DIS	MOONEY	2-10-16/11:25	0.97	0.97	0.66	MOONEY	2-10-16/2:45	A	COLILERT					
12	HOSPITAL ST. STA.	DIS	MOONEY	2-10-16/11:45	1.04	1.06	0.66	MOONEY	2-10-16/2:45	A	COLILERT					
13	RIVERSIDE WELLHOUSE	DIS	MOONEY	2-10-16/12:20	1.20	1.19	0.64	MOONEY	2-10-16/2:45	A	COLILERT					
14	WESTERN STA.	DIS	MOONEY	2-16-16/10:30	0.80	0.81	0.58	MOONEY	2-16-16/1:45	A	COLILERT					
15	TRIANGLE WELLHOUSE	DIS	MOONEY	2-16-16/10:50	1.08	1.07	0.69	MOONEY	2-16-16/1:45	A	COLILERT					
16	NORTHWEST STA.	DIS	MOONEY	2-16-16/11:15	1.01	1.01	0.69	MOONEY	2-16-16/1:45	A	COLILERT					
17	RIVERSIDE WELLHOUSE	DIS	MOONEY	2-16-16/11:45	1.17	1.16	0.68	MOONEY	2-16-16/1:45	A	COLILERT					
18	MANCHESTER TOWN OFFICE	DIS	MOONEY	2-17-16/10:15	0.47	0.48	0.69	MOONEY	2-17-16/2:30	A	COLILERT					
19	QUALITY INN	DIS	MOONEY	2-17-16/11:15	0.87	0.88	0.69	MOONEY	2-17-16/2:30	A	COLILERT					
20	12 WILLIAMS ST.	DIS	MOONEY	2-17-16/11:40	0.90	0.90	0.69	MOONEY	2-17-16/2:30	A	COLILERT					
21	HOSPITAL ST. STA.	DIS	MOONEY	2-17-16/12:10	1.04	1.04	0.68	MOONEY	2-17-16/2:30	A	COLILERT					
22	WESTERN STA.	DIS	MOONEY	2-23-16/8:55	0.82	0.83	0.58	MOONEY	2-23-16/2:30	A	COLILERT					
23	TRIANGLE WELLHOUSE	DIS	MOONEY	2-23-16/9:15	1.01	1.02	0.66	MOONEY	2-23-16/2:30	A	COLILERT					
24	NORTHWEST STA.	DIS	MOONEY	2-23-16/9:40	1.04	1.04	0.68	MOONEY	2-23-16/2:30	A	COLILERT					
25	12 WILLIAMS ST.	DIS	MOONEY	2-23-16/10:00	0.89	0.89	0.66	MOONEY	2-23-16/2:30	A	COLILERT					
26	HOSPITAL ST. STA.	DIS	MOONEY	2-23-16/10:20	1.00	1.01	0.66	MOONEY	2-23-16/2:30	A	COLILERT					
27	RIVERSIDE WELLHOUSE	DIS	MOONEY	2-23-16/10:40	1.13	1.13	0.69	MOONEY	2-23-16/2:30	A	COLILERT					
28	TOGUS STA.	DIS	MOONEY	2-23-16/11:25	0.85	0.84	0.65	MOONEY	2-23-16/2:30	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	2-22-16/2:00	0.00	0.00		MOONEY	2-22-16/3:00							0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name: Greater Augusta Utility District		Community water system	
PWSID#: 90080		List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #: Brian Tarbuck 2026			
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year): February - 16			
Signature: 		3/9/2016	

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	1.13	7.23	1.20	0.46	7.41	1.09	0	12	0	0.7	5	0
2	1.13	7.24	1.22	0.57	7.42	1.07	1	13	0	0.9	6	0
3	1.00	7.24	1.24	0.56	7.42	1.11	1	12	0	0.8	6	0
4	1.04	7.24	1.23	0.60	7.43	1.10	0	7	100	0.9	6	0
5	1.09	7.24	1.28	0.52	7.43	1.16	1	10	0	0.8	5	0
6	0.92	7.26	1.22	0.54	7.43	1.10	2	16	0	0.8	6	0
7	1.18	7.24	1.31	0.42	7.43	1.10	0	7	0	0.6	4	0
8	1.08	7.23	1.30	0.51	7.43	1.10	1	14	0	0.8	5	0
9	0.82	7.25	1.16	0.50	7.44	1.13	1	13	0	0.8	5	0
10	1.26	7.23	1.27	0.58	7.43	1.11	1	9	0	0.9	6	0
11	1.06	7.24	1.19	0.55	7.43	1.09	1	13	0	0.8	6	0
12	1.23	7.22	1.28	0.57	7.43	1.09	1	13	0	0.7	5	50
13	1.05	7.24	1.19	0.52	7.43	1.12	1	14	0	0.8	5	0
14	0.91	7.25	1.14	0.47	7.43	1.16	2	12	0	0.7	5	0
15	1.31	7.21	1.29	0.53	7.43	1.14	0	10	0	0.8	6	0
16	1.28	7.23	1.26	0.58	7.56	1.06	-1	14	0	0.9	6	0
17	1.27	7.23	1.25	0.51	7.64	0.99	1	14	100	0.8	5	0
18	1.17	7.23	1.22	0.56	7.64	0.91	1	15	0	0.9	5	0
19	1.20	7.24	1.23	0.50	7.65	0.98	2	13	0	0.8	5	50
20	1.09	7.24	1.18	0.49	7.66	0.97	0	13	0	0.8	5	0
21	0.92	7.26	1.12	0.49	7.67	0.96	1	11	0	0.8	5	0
22	1.26	7.23	1.25	0.57	7.67	0.97	1	9	0	0.9	6	0
23	1.07	7.23	1.21	0.52	7.67	0.96	1	15	0	0.8	5	0
24	0.98	7.25	1.16	0.55	7.67	0.96	1	12	50	0.9	6	50
25	1.06	7.25	1.15	0.51	7.67	0.95	-1	10	0	0.8	5	0
26	1.10	7.25	1.16	0.62	7.67	0.95	1	11	0	1.0	6	0
27	1.09	7.25	1.15	0.49	7.67	0.94	2	13	0	0.7	5	0
28	1.06	7.26	1.14	0.52	7.67	0.95	0	11	0	0.8	5	0
29	1.21	7.24	1.21	0.48	7.65	0.94	0	12	0	0.7	5	0
Summary	31.98	7.24	1.12	15.29	7.54	0.91	23	347	250	23	158	150
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used (fluoride reported separately)					
	Chemical Name	Purpose	Chemical Strength	Total	Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	47	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	505	gallons
NaF	Sodium fluoride	fluoridation		400	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.96

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):	February, 2016		
Signature:		March 9, 2016	

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	0.61	0.00	0.52	1.13	0.46	0.00	0.46	1.59
2	0.74	0.00	0.38	1.13	0.57	0.00	0.57	1.69
3	0.77	0.00	0.23	1.00	0.56	0.00	0.56	1.56
4	0.77	0.00	0.26	1.04	0.60	0.00	0.60	1.64
5	0.90	0.00	0.19	1.09	0.52	0.00	0.52	1.62
6	0.92	0.00	0.00	0.92	0.54	0.00	0.54	1.46
7	0.90	0.00	0.28	1.18	0.42	0.00	0.42	1.60
8	0.64	0.00	0.44	1.08	0.50	0.00	0.51	1.59
9	0.77	0.00	0.05	0.82	0.50	0.00	0.50	1.31
10	0.89	0.00	0.37	1.26	0.58	0.00	0.58	1.84
11	0.90	0.00	0.15	1.06	0.55	0.00	0.55	1.61
12	0.78	0.00	0.45	1.23	0.48	0.09	0.57	1.80
13	0.90	0.00	0.15	1.05	0.52	0.00	0.52	1.58
14	0.91	0.00	0.00	0.91	0.47	0.00	0.47	1.38
15	0.77	0.00	0.54	1.31	0.53	0.00	0.53	1.85
16	0.61	0.33	0.34	1.28	0.07	0.50	0.58	1.86
17	0.90	0.00	0.37	1.27	0.00	0.50	0.51	1.78
18	0.89	0.00	0.27	1.17	0.00	0.56	0.56	1.73
19	0.89	0.00	0.31	1.20	0.00	0.50	0.50	1.71
20	0.90	0.00	0.19	1.09	0.00	0.49	0.49	1.58
21	0.92	0.00	0.00	0.92	0.00	0.49	0.49	1.41
22	0.71	0.00	0.55	1.26	0.00	0.57	0.57	1.83
23	0.66	0.00	0.41	1.07	0.00	0.52	0.52	1.59
24	0.78	0.00	0.20	0.98	0.00	0.55	0.55	1.53
25	0.91	0.00	0.15	1.06	0.00	0.50	0.51	1.57
26	0.90	0.00	0.20	1.10	0.00	0.62	0.62	1.73
27	0.91	0.00	0.18	1.09	0.00	0.49	0.49	1.57
28	0.90	0.00	0.16	1.06	0.00	0.52	0.52	1.58
29	0.69	0.00	0.52	1.21	0.00	0.48	0.48	1.69
Sum	23.77	0.36	7.85	31.98	7.89	7.40	15.29	47.27

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **February, 2016**

Signature:  3/10/2016

System Information

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

Notes: See notes below for specific operating conditions.

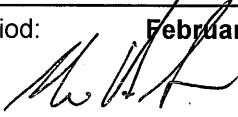
Date	GAUD mg/L	Location	HETL mg/L
2/11/2016 13:30	0.69	Triangle Station	0.7

Fluoride

Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.13	49	0.72	0.77
2	1.13	47	0.73	0.76
3	1.00	43	0.72	0.78
4	1.04	38	0.70	0.67
5	1.09	47	0.74	0.77
6	0.92	40	0.72	0.79
7	1.18	51	0.73	0.77
8	1.08	44	0.72	0.74
9	0.82	35	0.71	0.78
10	1.26	54	0.74	0.76
11	1.06	44	0.45	0.76
12	1.23	34	0.76	0.50
13	1.05	0	0.13	0.00
14	0.91	0	0.10	0.00
15	1.31	41	0.33	0.57
16	1.28	51	0.59	0.72
17	1.27	48	0.69	0.69
18	1.17	50	0.69	0.76
19	1.20	53	0.69	0.80
20	1.09	45	0.70	0.75
21	0.92	40	0.71	0.79
22	1.26	55	0.73	0.78
23	1.07	45	0.70	0.77
24	0.98	38	0.70	0.71
25	1.06	43	0.67	0.74
26	1.10	46	0.68	0.76
27	1.09	45	0.69	0.75
28	1.06	45	0.69	0.75
29	1.21	50	0.69	0.74
Avg	1.10	42.26	0.64	0.69
Min	0.82	0.00	0.10	0.00
Max	1.31	54.59	0.76	0.80
Total	31.98	1,225.55		

Operating comments

Fluoride system off, in line analyzer issues
 Fluoride system off, in line analyzer issues

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant:	Riverside Station
System Name:	Greater Augusta Utility District	Chemical Used:	Sodium Fluoride
PWSID#: 90080		Notes: See notes below for specific operating conditions.	
Reporting period:	February, 2016	Date	GAUD mg/L
Signature: 	3/10/2016	2/11/2016 13:30	0.69
		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	0.46	19	0.71	0.74
2	0.57	24	0.70	0.76
3	0.56	22	0.71	0.71
4	0.60	25	0.72	0.74
5	0.52	22	0.71	0.76
6	0.54	22	0.69	0.73
7	0.42	18	0.71	0.76
8	0.51	21	0.69	0.75
9	0.50	20	0.66	0.73
10	0.58	24	0.67	0.75
11	0.55	23	0.65	0.75
12	0.57	17	0.65	0.54
13	0.52	22	0.68	0.76
14	0.47	19	0.69	0.73
15	0.53	21	0.68	0.71
16	0.58	24	0.70	0.75
17	0.51	22	0.70	0.78
18	0.56	24	0.68	0.77
19	0.50	19	0.68	0.68
20	0.49	21	0.70	0.78
21	0.49	21	0.72	0.78
22	0.57	24	0.73	0.76
23	0.52	22	0.76	0.76
24	0.55	21	0.73	0.69
25	0.51	21	0.72	0.75
26	0.62	26	0.73	0.75
27	0.49	21	0.73	0.78
28	0.52	22	0.72	0.76
29	0.48	20	0.73	0.75
Avg	0.53	21.62	0.70	0.74
Min	0.42	17.00	0.65	0.54
Max	0.62	26.00	0.76	0.78
Total	15.29	627.00		

Operating comments

Building 200

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: FEB 2016

Signature: B-Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2	62,919	3.5	.80	1.11	.50
3					
4	58,055	3.0	.81	1.12	.49
5	13,853	.5	.80	1.30	.51
6					
7					
8	34,728	1.75	.82	1.33	.70
9	20,939	1.0	.82	1.14	.60
10					
11	20,043	1.0	.82	1.10	.60
12	28,166	1.25	.82	1.23	.60
13					
14	24,058	1.25	.83	1.00	.50
15					
16					
17	36,906	2.25	.83	1.20	.51
18	22,639	1.0	.83	1.1	.49
19	25,283	1.25	.83	1.1	.52
20					
21					
22	61,311	3.0	.81	1.31	.52
23					
24					
25	45,291	2.75	.81	1.19	.48
26	23,586	1.25	.84	1.12	.50
27					
28					
29	39,392	2.0	.84	1.50	.61
30					
31					

Total = 491,886 | 26.75 gal

Building 206

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: FEB 2016

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	6,979	1.0	.80	1.33	.49
2					
3	3,017	.5	.81	1.50	.57
4	4,171	.5	.81	1.55	.52
5					
6					
7					
8	4,242		.82	1.16	.44
9					
10	7,437	.5	.82	1.20	.45
11					
12	3,237	.5	.82	1.21	.47
13					
14					
15					
16					
17					
18	10,330	.75	.82	1.55	.56
19	2,884		.82	1.30	.45
20					
21					
22	4,415	.5	.85	1.0	.29
23					
24					
25	8,522	.5	.84	1.11	.35
26	3,004		.83	1.19	.40
27					
28					
29	8,001	.5	.84	1.0	.30
30					
31					

Total - 66,239 gal | 5.0 gal

Building 207

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: FEB 2016

Signature: 

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	7665	.5	.73	1.11	.40
2	1829		.74	.90	.30
3	5,491	1.0	.75	.80	.30
4					
5	2828		.77	1.25	.51
6					
7					
8	7,514	1.5	.76	1.30	.30
9					
10	7676	1.0	.80	1.02	.30
11					
12	3033		.80	.75	.31
13					
14					
15					
16	9384	.5	.81	1.00	.41
17					
18					
19	4,522		.81	1.24	.51
20					
21					
22					
23	9002	1.0	.81	1.29	.41
24	2,946	.5	.82	1.21	.44
25					
26					
27					
28					
29	13,375	2.0	.83	1.50	.63
30					
31					

Total 75,265 gal 8.0 gal

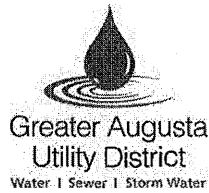
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greateraugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greateraugustautilitydistrict.org

Sukey Sikora, Clerk
ssikora@greateraugustautilitydistrict.org



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

Dave Bustin, Hallowell voting member
dbustin@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Lesley Jones, Augusta ex-officio member
ljones@greateraugustautilitydistrict.org

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

April 8, 2016

Jason Pushard
State of Maine, Drinking Water Program
11 State House Station
Augusta, ME 04333-0011

Dear Mr. Pushard:

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, 2016.

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;
6. Togus VA Small Water System Chlorination Report Forms for buildings 200, 206 and 207; and
7. East Pittston Total Coliform Monitoring Report (PWSID: 92255)

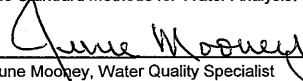
If you have any questions, please contact me at 622-3701.

Sincerely,

Brian Tarbuck, PE


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	34
Number of quality control samples	1
Number of positive samples	0

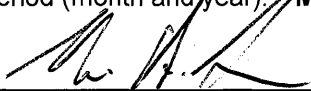
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform		Method		Lauryl Tryptose		EC 44.5c	HPC 48 hrs
										Present/Absent	MF/COLILERT	24 hr	48 hr	bril. green			
1	WESTERN STA.	DIS	MOONEY	3-1-16/9:30	0.81	0.81	0.62	MOONEY	3-1-16/2:00	A	COLILERT						
2	TRIANGLE WELLHOUSE	DIS	MOONEY	3-1-16/9:50	1.07	1.06	0.66	MOONEY	3-1-16/2:00	A	COLILERT						
3	NORTHWEST STA.	DIS	MOONEY	3-1-16/10:25	1.04	1.04	0.68	MOONEY	3-1-16/2:00	A	COLILERT						
4	WILLOW ST. STA.	DIS	MOONEY	3-1-16/10:45	0.34	0.35	0.60	MOONEY	3-1-16/2:00	A	COLILERT						
5	12 WILLIAMS ST.	DIS	MOONEY	3-1-16/11:007.3	0.79	0.79	0.66	MOONEY	3-1-16/2:00	A	COLILERT						
6	HOSPITAL ST. STA.	DIS	MOONEY	3-1-16/11:25	0.94	0.94	0.66	MOONEY	3-1-16/2:00	A	COLILERT						
7	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-1-16/12:00	1.05	1.05	0.69	MOONEY	3-1-16/2:00	A	COLILERT						
8	WESTERN STA.	DIS	MOONEY	3-8-16/8:50	0.76	0.79	0.68	MOONEY	3-8-16/1:45	A	COLILERT						
9	TRIANGLE WELLHOUSE	DIS	MOONEY	3-8-16/9:10	1.14	1.13	0.71	MOONEY	3-8-16/1:45	A	COLILERT						
10	NORTHWEST STA.	DIS	MOONEY	3-8-16/9:30	1.08	1.10	0.67	MOONEY	3-8-16/1:45	A	COLILERT						
11	12 WILLIAMS ST.	DIS	MOONEY	3-8-16/9:50	0.88	0.89	0.68	MOONEY	3-8-16/1:45	A	COLILERT						
12	HOSPITAL ST. STA.	DIS	MOONEY	3-8-16/11:00	0.95	0.95	0.69	MOONEY	3-8-16/1:45	A	COLILERT						
13	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-8-16/10:20	1.12	1.12	0.66	MOONEY	3-8-16/1:45	A	COLILERT						
14	TOGUS STA.	DIS	MOONEY	3-8-16/11:20	0.88	0.88	0.68	MOONEY	3-8-16/1:45	A	COLILERT						
15	QUALITY INN	DIS	MOONEY	3-8-16/11:55	0.55	0.57	0.63	MOONEY	3-8-16/1:45	A	COLILERT						
16	WESTERN STA.	DIS	MOONEY	3-15-16/9:10	0.80	0.80	0.62	MOONEY	3-15-16/2:00	A	COLILERT						
17	MANCHESTER TOWN OFFICE	DIS	MOONEY	3-15-16/9:30	0.42	0.43	0.60	MOONEY	3-15-16/2:00	A	COLILERT						
18	TRIANGLE WELLHOUSE	DIS	MOONEY	3-15-16/9:55	1.23	1.21	0.71	MOONEY	3-15-16/2:00	A	COLILERT						
19	NORTHWEST STA.	DIS	MOONEY	3-15-16/10:30	1.09	1.08	0.64	MOONEY	3-15-16/2:00	A	COLILERT						
20	12 WILLIAMS ST.	DIS	MOONEY	3-15-16/10:50	0.81	0.80	0.65	MOONEY	3-15-16/2:00	A	COLILERT						
21	HOSPITAL ST. STA.	DIS	MOONEY	3-15-16/11:05	0.80	0.80	0.67	MOONEY	3-15-16/2:00	A	COLILERT						
22	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-15-16/11:30	1.17	1.16	0.71	MOONEY	3-15-16/2:00	A	COLILERT						
23	WESTERN STA.	DIS	MOONEY	3-22-16/9:05	0.83	0.85	0.64	MOONEY	3-22-16/2:00	A	COLILERT						
24	TRIANGLE WELLHOUSE	DIS	MOONEY	3-22-16/9:25	1.00	1.02	0.67	MOONEY	3-22-16/2:00	A	COLILERT						
25	NORTHWEST STA.	DIS	MOONEY	3-22-16/9:50	1.07	1.06	0.66	MOONEY	3-22-16/2:00	A	COLILERT						
26	12 WILLIAMS ST.	DIS	MOONEY	3-22-16/10:15	0.79	0.79	0.68	MOONEY	3-22-16/2:00	A	COLILERT						
27	HOSPITAL ST. STA.	DIS	MOONEY	3-22-16/10:40	0.95	0.95	0.67	MOONEY	3-22-16/2:00	A	COLILERT						
28	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-22-16/11:10	1.15	1.14	0.71	MOONEY	3-22-16/2:00	A	COLILERT						
29	WESTERN STA.	DIS	MOONEY	3-30-16/9:10	0.81	0.81	0.70	MOONEY	3-30-16/1:45	A	COLILERT						
30	TRIANGLE WELLHOUSE	DIS	MOONEY	3-30-16/9:30	1.07	1.05	0.66	MOONEY	3-30-16/1:45	A	COLILERT						
31	NORTHWEST STA.	DIS	MOONEY	3-30-16/10:00	0.93	0.93	0.70	MOONEY	3-30-16/1:45	A	COLILERT						
32	12 WILLIAMS ST.	DIS	MOONEY	3-30-16/10:25	0.79	0.78	0.36	MOONEY	3-30-16/1:45	A	COLILERT						
33	HOSPITAL ST. STA.	DIS	MOONEY	3-30-16/10:40	0.94	0.94	0.44	MOONEY	3-30-16/1:45	A	COLILERT						
34	RIVERSIDE WELLHOUSE	DIS	MOONEY	3-30-16/11:20	1.03	1.03	<.2	MOONEY	3-30-16/1:45	A	COLILERT						
*	LAB DISTILLED WATER	QC	MOONEY	3-14-16/2:15	0.01	0.01		MOONEY	3-14-16/3:15								0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustacitydistrict.org			
Reporting period (month and year):	March - 16		
Signature:		4/10/2016	

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	1.07	7.25	1.15	0.57	7.65	0.93	1	14		0.9	6	
2	1.02	7.25	1.11	0.51	7.66	0.93	1	12		0.8	5	
3	0.92	7.26	1.12	0.58	7.65	0.96	1	6		0.9	6	
4	1.21	7.24	1.26	0.52	7.64	0.98	1	2	100	0.8	5	
5	1.11	7.25	1.22	0.53	7.65	0.98	1	11		0.8	6	
6	1.04	7.24	1.23	0.46	7.64	0.98	1	13		0.7	5	
7	1.38	7.23	1.32	0.54	7.64	0.98	1	9		0.8	6	50
8	1.09	7.23	1.28	0.55	7.64	0.97	-1	16		0.9	6	
9	1.11	7.26	1.34	0.63	7.65	0.95	-1	15		1.0	6	
10	1.22	7.27	1.33	0.60	7.66	0.95	1	9		0.9	6	
11	1.08	7.29	1.32	0.67	7.66	0.91	1	13	100	1.0	7	50
12	1.27	7.29	1.32	0.55	7.66	0.94	1	13		0.8	6	
13	1.15	7.30	1.31	0.64	7.66	0.94	0	14		1.0	7	
14	1.24	7.30	1.30	0.60	7.64	0.87	3	13	50	0.9	6	
15	1.01	7.30	1.27	0.59	7.64	0.94	1	15		0.9	6	
16	1.20	7.31	1.30	0.66	7.65	0.94	-1	10		1.0	7	
17	1.12	7.31	1.29	0.54	7.64	0.94	1	14		0.8	6	
18	1.20	7.24	1.32	0.65	7.63	0.94	1	12	50	1.0	7	50
19	1.12	7.13	1.32	0.44	7.63	0.94	2	15		0.7	5	
20	1.10	7.12	1.31	0.54	7.63	0.95	1	13		0.8	6	
21	1.29	7.15	1.34	0.46	7.63	0.95	1	11		0.7	5	
22	1.17	7.15	1.32	0.57	7.63	0.95	1	15		0.9	6	
23	0.98	7.12	1.29	0.56	7.63	0.96	1	13	100	0.8	6	
24	1.20	7.13	1.30	0.51	7.64	0.93	1	10		0.8	5	
25	1.12	7.12	1.29	0.51	7.63	0.93	1	13		0.8	5	
26	1.18	7.13	1.29	0.51	7.64	0.92	0	11		0.8	5	
27	1.08	7.12	1.27	0.57	7.64	0.93	1	13		0.9	6	
28	1.30	7.16	1.29	0.48	7.64	0.93	0	11		0.8	5	
29	1.06	7.15	1.26	0.57	7.65	0.91	1	15	50	0.9	6	
30	1.09	7.12	1.30	0.51	7.65	0.91	1	12		0.8	5	
31	1.34	7.15	1.37	0.62	7.65	0.89	-1	8		1.0	6	
Summary	35.47	7.21	1.11	17.24	7.64	0.87	24	372	450	26	178	150
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used (fluoride reported separately)					
	Chemical Name	Purpose	Chemical Strength	Total	Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	50	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	550	gallons
NaF	Sodium fluoride	fluoridation		600	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	34	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.91

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
bstarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):	March, 2016		
Signature: 	April 10, 2016		

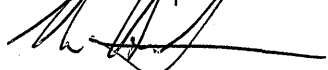
Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.79	0.00	0.29	1.07	0.00	0.57	0.57	1.64
2	0.91	0.00	0.11	1.02	0.00	0.51	0.51	1.54
3	0.92	0.00	0.00	0.92	0.00	0.58	0.58	1.50
4	0.90	0.00	0.31	1.21	0.00	0.52	0.52	1.73
5	0.88	0.03	0.20	1.11	0.00	0.53	0.53	1.64
6	0.76	0.00	0.28	1.04	0.00	0.46	0.46	1.50
7	0.58	0.56	0.24	1.38	0.00	0.54	0.54	1.92
8	0.39	0.70	0.00	1.09	0.00	0.55	0.55	1.64
9	0.21	0.90	0.00	1.11	0.00	0.63	0.63	1.74
10	0.04	1.18	0.00	1.22	0.00	0.60	0.60	1.82
11	0.13	0.95	0.00	1.08	0.00	0.67	0.67	1.75
12	0.20	1.07	0.00	1.27	0.00	0.55	0.55	1.82
13	0.19	0.96	0.00	1.15	0.00	0.64	0.64	1.79
14	0.48	0.76	0.00	1.24	0.00	0.60	0.60	1.84
15	0.12	0.89	0.00	1.01	0.00	0.59	0.59	1.59
16	0.33	0.87	0.00	1.20	0.00	0.66	0.66	1.86
17	0.19	0.93	0.00	1.12	0.00	0.54	0.54	1.66
18	0.15	0.57	0.48	1.20	0.00	0.65	0.65	1.85
19	0.01	0.22	0.88	1.12	0.00	0.44	0.44	1.56
20	0.00	0.21	0.89	1.10	0.00	0.54	0.54	1.64
21	0.00	0.56	0.73	1.29	0.00	0.46	0.46	1.75
22	0.00	0.50	0.68	1.17	0.00	0.57	0.57	1.74
23	0.00	0.20	0.78	0.98	0.00	0.56	0.56	1.54
24	0.00	0.32	0.88	1.20	0.00	0.50	0.50	1.71
25	0.00	0.23	0.90	1.12	0.00	0.51	0.51	1.64
26	0.00	0.32	0.86	1.18	0.00	0.50	0.50	1.69
27	0.00	0.19	0.89	1.08	0.00	0.57	0.57	1.64
28	0.17	0.48	0.65	1.30	0.00	0.48	0.48	1.78
29	0.00	0.41	0.65	1.06	0.00	0.57	0.57	1.63
30	0.00	0.18	0.90	1.09	0.00	0.50	0.50	1.59
31	0.00	0.47	0.87	1.34	0.00	0.62	0.62	1.96
Sum	8.34	14.66	12.47	35.47	0.00	17.22	17.22	52.69

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **March, 2016**

Signature:  4/10/2016

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
3/16/2016 0915	0.75	Triangle Station	0.8

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.07	46	0.62	0.76
2	1.02	43	0.70	0.75
3	0.92	40	0.67	0.79
4	1.21	44	0.69	0.66
5	1.11	45	0.69	0.72
6	1.04	43	0.70	0.75
7	1.38	57	0.68	0.74
8	1.09	44	0.71	0.73
9	1.11	47	0.72	0.76
10	1.22	55	0.73	0.81
11	1.08	40	0.73	0.67
12	1.27	53	0.73	0.75
13	1.15	48	0.74	0.74
14	1.24	49	0.72	0.71
15	1.01	49	0.73	0.87
16	1.20	50	0.73	0.74
17	1.12	51	0.74	0.81
18	1.20	46	0.71	0.70
19	1.12	46	0.70	0.75
20	1.10	47	0.69	0.78
21	1.29	53	0.67	0.73
22	1.17	54	0.69	0.82
23	0.98	50	0.69	0.91
24	1.20	48	0.71	0.73
25	1.12	49	0.73	0.79
26	1.18	49	0.72	0.74
27	1.08	50	0.73	0.83
28	1.30	52	0.70	0.71
29	1.06	52	0.71	0.88
30	1.09	48	0.71	0.80
31	1.34	51	0.69	0.68
Avg	1.14	48.24	0.71	0.76
Min	0.92	40.39	0.62	0.66
Max	1.38	56.67	0.74	0.91
Total	35.47	1,495.46		

Operating comments

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**


PWSID#: 90080

System Information

Treatment plant: **Riverside Station**

Chemical Used: **Sodium Fluoride**

Reporting period: **March, 2016**

Signature:  4/10/2016

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
		Triangle Station	

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.57	23	0.72	0.73
2	0.51	22	0.74	0.77
3	0.58	24	0.73	0.75
4	0.52	21	0.70	0.72
5	0.53	23	0.69	0.78
6	0.46	19	0.68	0.74
7	0.54	29	0.69	0.97
8	0.55	24	0.71	0.79
9	0.63	26	0.73	0.74
10	0.60	27	0.73	0.81
11	0.67	26	0.75	0.70
12	0.55	24	0.96	0.79
13	0.64	26	0.76	0.73
14	0.60	26	0.75	0.78
15	0.59	25	0.56	0.77
16	0.66	29	0.63	0.79
17	0.54	23	0.74	0.77
18	0.65	26	0.76	0.72
19	0.44	19	0.76	0.77
20	0.54	24	0.76	0.80
21	0.46	19	0.75	0.74
22	0.57	25	0.76	0.79
23	0.56	5	0.24	0.16
24	0.50	0	0.09	0.00
25	0.51	0	0.08	0.00
26	0.50	0	0.08	0.00
27	0.57	0	0.08	0.00
28	0.48	0	0.09	0.00
29	0.57	0	0.08	0.00
30	0.50	0	0.08	0.00
31	0.62	0	0.09	0.00
Avg	0.56	17.26	0.73	0.77
Min	0.44	0.00	0.08	0.00
Max	0.67	29.00	0.96	0.97
Total	17.22	535.00		

Operating comments

Fluoride turned off on 3/23 due to discolored fluoride. Fluoride removed, new product added and put online in early April. Reported values from March 24 to March 31 are from the Hach CA610 continuous analyzer and indicate naturally occurring fluoride levels.

Building 200

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: MAR 2016

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	24,800	1.5	.83	1.34	.45
2	22,680	1.25	.83	1.30	.49
3					
4	56,451	3.0	.83	1.30	.50
5					
6					
7	40,247	2.0	.84	1.2	.49
8					
9	44,582	2.75	.80	1.14	.39
10	23,109	1.50	.85	1.27	.45
11	14,591	1.50	.85	1.27	.45
12					
13					
14	37,756	2.0	.85	1.11	.44
15	27,373	1.75	.85	1.11	.44
16	28,490	1.25	.85	1.1	.49
17					
18					
19					
20					
21	89,351	4.0	.85	1.00	.44
22	16,182	1.5	.85	1.11	.59
23	16,221	1.5	.80	1.11	.54
24					
25	22,176	2.0	.80	1.0	.50
26					
27					
28	41,029	3.5	.86	1.33	.61
29					
30					
31	68,075	4.5	.87	1.00	.40

Total | 507,038 | 35.5

Building 206

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: MAR 2016

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	3,599	.25	.84	1.55	.40
2					
3					
4					
5					
6					
7	17,773	.75	.84	1.00	.20
8	3,397	0	.85	1.00	.25
9	3,464		.86	1.29	.44
10					
11					
12					
13					
14	24,299	.75	.85	.89	.20
15	3,272		.86	1.50	.59
16					
17	6,785	1.0	.86	1.49	.59
18	2,621		.88	1.05	.40
19					
20					
21					
22	9,970	1.0	.86	1.51	.61
23					
24	7,081	1.0	.86	1.42	.59
25	2,703	.5	.86	1.33	.57
26					
27					
28	6,649	1.0	.86	1.42	.55
29					
30	19,542	3.5	.87	1.49	.60
31	5,216		.87	1.50	.66

Total | 116,371 | 9.75

Building 207

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: MAR 2016

Signature: B-Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	4,243	1.0	.84	1.21	.55
2	2,126		.85	1.51	.60
3					
4	6,828		.85	1.50	.61
5					
6					
7					
8					
9	13,727	2.0	.85	1.11	.49
10	4,061		.87	1.42	.59
11	3,197	.5	.87	1.46	.59
12					
13					
14	11,198	.5	.84	1.50	.74
15					
16					
17					
18	17,254	1.0	.77	1.46	.60
19					
20					
21	10,103	1.0	.84	1.02	.49
22					
23					
24					
25	14,215	1.0	.85	1.0	.33
26					
27					
28	8,668	1.0	.86	1.07	.40
29					
30	8,213	.5	.86	1.12	.40
31	3,432		.86	1.12	.45

Total | 107,263 | 8.5 |

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:

2016

Public Water System Information	
System's name:	East Pittston Water Dist
Sampler's phone #:	242-6252
PWSID#:	92255
Address:	1200 East Pittston Rd Pittston Me 04345
Sample Category (1):	Bacti
Sampler's name:	Bill Wilkerson

Laboratory Information	
Lab name:	Greater Augusta Utility District
Lab certification:	ME00012
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 East Pittston	3/16/16 17:45	160326	3/17 @ 8:00	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

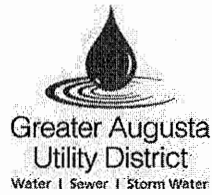
Brian Tarbuck, General Manager
btarbuck@greataugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greataugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greataugustautilitydistrict.org

Sukey Sikora, Clerk
ssikora@greataugustautilitydistrict.org

Dave Bustin, Hallowell voting member
dbustin@greataugustautilitydistrict.org



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

Bob Corey
bcorey@greataugustautilitydistrict.org

Kirsten Hebert
khebert@greataugustautilitydistrict.org

Don Roberts
droberts@greataugustautilitydistrict.org

Lesley Jones, Augusta ex-officio member
ljones@greataugustautilitydistrict.org

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

June 9, 2016

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, 2016.

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;
6. Togus disinfection station report; and
7. Togus VA Small Water System Chlorination Report Forms for buildings 200, 206 and 207.

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

Sincerely,

Brian Tarbuck, PE, System Class IV 2026

Bacteriological Report Form

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

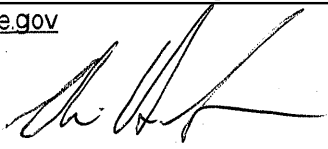
MAY 2016

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

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

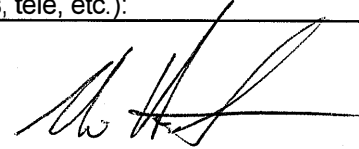
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform	Method	Lauryl Tryptose		EC 44.5c	HPC 48 hrs
										Present/Absent	MF/COLILERT	24 hr	48 hr		
1	WESTERN STA.	DIS	MOONEY	5-3-16/9:35	0.76	0.76	0.63	MOONEY	6-3-16/2:00	A	COLILERT				
2	TRIANGLE WELLHOUSE	DIS	MOONEY	5-3-16/9:55	1.22	1.20	0.66	MOONEY	6-3-16/2:00	A	COLILERT				
3	NORTHWEST STA.	DIS	MOONEY	5-3-16/10:20	0.92	0.93	0.67	MOONEY	6-3-16/2:00	A	COLILERT				
4	12 WILLIAMS ST.	DIS	MOONEY	5-3-16/10:45	0.64	0.64	0.61	MOONEY	6-3-16/2:00	A	COLILERT				
5	WILLOW ST. STA.	DIS	MOONEY	5-3-26/11:00	0.94	0.93	0.46	MOONEY	6-3-16/2:00	A	COLILERT				
6	HOSPITAL ST. STA.	DIS	MOONEY	5-3-16/11:20	0.87	0.87	0.60	MOONEY	6-3-16/2:00	A	COLILERT				
7	RIVERSIDE WELLHOUSE	DIS	MOONEY	5-3-16/11:50	1.17	1.15	0.71	MOONEY	6-3-16/2:00	A	COLILERT				
8	HOSPITAL ST. STA.	DIS	MOONEY	5-10-16/9:20	0.69	0.69	0.67	MOONEY	5-10-16/2:15	A	COLILERT				
9	TOGUS STA.	DIS	MOONEY	5-10-16/9:40	0.72	0.69	0.64	MOONEY	5-10-16/2:15	A	COLILERT				
10	RIVERSIDE WELLHOUSE	DIS	MOONEY	5-10-16/10:30	1.08	1.09	0.68	MOONEY	5-10-16/2:15	A	COLILERT				
11	NORTHWEST STA.	DIS	MOONEY	5-10-16/11:05	0.88	0.89	0.66	MOONEY	5-10-16/2:15	A	COLILERT				
12	TRIANGLE WELLHOUSE	DIS	MOONEY	5-10-16/11:25	1.15	1.15	0.65	MOONEY	5-10-16/2:15	A	COLILERT				
13	WESTERN STA.	DIS	MOONEY	5-10-16/11:50	0.74	0.74	0.65	MOONEY	5-10-16/2:15	A	COLILERT				
14	12 WILLIAMS ST.	DIS	MOONEY	5-10-16/1:00	0.88	0.88	0.66	MOONEY	5-10-16/2:15	A	COLILERT				
15	RIVERSIDE WELLHOUSE	DIS	MOONEY	5-17-16/9:55	1.10	1.11	0.74	MOONEY	5-17-16/2:15	A	COLILERT				
16	HOSPITAL ST. STA.	DIS	MOONEY	5-17-16/10:30	0.88	0.89	0.38	MOONEY	5-17-16/2:15	A	COLILERT				
17	12 WILLIAMS ST.	DIS	MOONEY	5-17-16/10:50	0.80	0.80	0.47	MOONEY	5-17-16/2:15	A	COLILERT				
18	NORTHWEST STA.	DIS	MOONEY	5-17-16/11:20	1.10	1.09	0.68	MOONEY	5-17-16/2:15	A	COLILERT				
19	TRIANGLE WELLHOUSE	DIS	MOONEY	5-17-16/11:45	1.18	1.18	0.67	MOONEY	5-17-16/2:15	A	COLILERT				
20	WESTERN STA.	DIS	MOONEY	5-17-16/12:10	0.80	0.80	0.65	MOONEY	5-17-16/2:15	A	COLILERT				
21	QUALITY INN	DIS	MOONEY	5-17-16/12:30	0.56	0.57	0.62	MOONEY	5-17-16/2:15	A	COLILERT				
22	MANCHESTER TOWN OFFICE	DIS	MOONEY	5-24-16/9:40	0.35	0.36	0.65	MOONEY	5-24-16/2:15	A	COLILERT				
23	WESTERN STA.	DIS	MOONEY	5-24-16/10:00	0.78	0.82	0.69	MOONEY	5-24-16/2:15	A	COLILERT				
24	TRIANGLE WELLHOUSE	DIS	MOONEY	5-24-16/10:20	1.19	1.15	0.74	MOONEY	5-24-16/2:15	A	COLILERT				
25	NORTHWEST STA.	DIS	MOONEY	5-24-16/10:45	0.91	0.91	0.64	MOONEY	5-24-16/2:15	A	COLILERT				
26	12 WILLIAMS ST.	DIS	MOONEY	5-24-16/11:10	0.83	0.82	0.68	MOONEY	5-24-16/2:15	A	COLILERT				
27	HOSPITAL ST. STA.	DIS	MOONEY	5-24-16/11:25	0.99	0.98	0.70	MOONEY	5-24-16/2:15	A	COLILERT				
28	RIVERSIDE WELLHOUSE	DIS	MOONEY	5-24-16/12:00	1.13	1.11	0.72	MOONEY	5-24-16/2:15	A	COLILERT				
*	LAB DISTILLED WATER	DIS	MOONEY	5-16-16/2:15	0.00	0.01		MOONEY	5-16-16/3:25						0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026	dwpmor@maine.gov	
Reporting period (month and year): May - 16			
Signature: _____			
		6/10/2016	

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	7.18	0.99	0.64	7.66	0.95	-2	0		0.9	6	
2	1.23	7.16	1.36	0.53	7.66	0.94	2	12		0.8	5	50
3	1.07	7.12	1.36	0.65	7.66	0.96	0	14		0.9	7	
4	1.11	7.13	1.36	0.58	7.66	0.96	2	12		0.8	6	
5	1.36	7.18	1.02	0.64	7.66	0.96	-1	13	100	0.9	6	
6	1.06	7.13	1.34	0.57	7.66	0.96	1	14		0.8	6	
7	1.09	7.13	1.34	0.58	7.66	0.95	1	11		0.9	6	
8	1.20	7.14	1.33	0.56	7.66	0.96	1	12		0.8	6	
9	1.25	7.17	1.27	0.62	7.67	0.97	-1	13		0.9	6	50
10	1.25	7.14	1.32	0.53	7.67	0.95	2	15		0.8	5	
11	1.19	7.14	1.32	0.60	7.67	0.94	0	12		0.9	6	
12	1.21	7.14	1.31	0.63	7.68	0.98	2	13		0.9	6	
13	1.34	7.16	1.31	0.58	7.68	1.01	1	13	100	0.8	6	50
14	1.06	7.13	1.30	0.58	7.68	1.00	1	15		0.8	6	
15	1.18	7.15	1.31	0.59	7.68	1.01	2	11		0.9	6	
16	1.22	7.16	1.29	0.52	7.67	0.94	0	16		0.8	5	
17	1.50	7.17	1.24	0.60	7.67	0.94	1	13		0.9	6	
18	1.28	7.18	1.37	0.69	7.66	0.95	1	10		1.0	7	
19	1.26	7.16	1.39	0.57	7.68	0.95	2	12		0.8	6	
20	1.29	7.24	1.20	0.62	7.68	0.94	1	14	100	0.9	6	50
21	1.29	7.35	1.13	0.60	7.68	0.92	1	10		0.9	6	
22	1.27	7.35	1.20	0.59	7.68	0.93	1	12		0.8	6	
23	1.35	7.35	1.19	0.60	7.68	0.93	0	12		0.9	6	
24	1.35	7.35	1.19	0.63	7.68	0.97	1	13		1.0	6	
25	1.48	7.35	1.10	0.69	7.67	0.95	1	13		1.5	7	
26	1.38	7.33	1.19	0.61	7.67	0.91	2	15	100	1.4	6	50
27	1.21	7.33	1.22	0.68	7.67	1.04	3	14		1.5	7	
28	1.39	7.33	1.22	0.63	7.68	1.13	3	12		1.4	6	
29	1.25	7.33	1.23	0.60	7.68	1.12	3	13		1.4	6	
30	1.27	7.33	1.25	0.59	7.68	1.12	2	12		1.3	6	
31	1.52	7.33	1.27	0.65	7.67	1.08	2	13		1.4	7	
Summary	39.13	7.22	0.99	18.76	7.67	0.91	32	384	400	31	190	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	63 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	574 gallons
NaF	Sodium fluoride	fluoridation		650 pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.90

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck		
	2026		
bstarbuck@greateraugustautilitydistrict.org			
Reporting period (month and year): May, 2016			
Signature:		June 10, 2016	

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	0.20	0.34	0.64	1.19	0.00	0.64	0.64	1.83
2	0.00	0.56	0.67	1.23	0.00	0.53	0.53	1.76
3	0.00	0.16	0.91	1.07	0.00	0.65	0.65	1.72
4	0.00	0.22	0.90	1.11	0.00	0.58	0.58	1.69
5	0.02	0.65	0.69	1.36	0.00	0.64	0.64	2.00
6	0.00	0.17	0.90	1.06	0.00	0.57	0.57	1.63
7	0.00	0.19	0.90	1.09	0.00	0.58	0.58	1.67
8	0.00	0.32	0.88	1.20	0.00	0.56	0.56	1.76
9	0.00	0.64	0.61	1.25	0.00	0.61	0.62	1.87
10	0.00	0.35	0.90	1.25	0.00	0.53	0.53	1.79
11	0.00	0.29	0.90	1.19	0.00	0.60	0.60	1.80
12	0.00	0.32	0.90	1.21	0.00	0.63	0.63	1.84
13	0.00	0.46	0.88	1.34	0.00	0.58	0.58	1.92
14	0.00	0.15	0.91	1.06	0.00	0.58	0.58	1.63
15	0.00	0.30	0.88	1.18	0.00	0.59	0.59	1.77
16	0.00	0.46	0.76	1.22	0.00	0.52	0.52	1.74
17	0.18	0.47	0.85	1.50	0.00	0.60	0.60	2.10
18	0.00	0.58	0.69	1.28	0.02	0.67	0.69	1.97
19	0.00	0.37	0.89	1.26	0.00	0.57	0.57	1.82
20	0.18	0.75	0.37	1.29	0.00	0.62	0.62	1.92
21	0.36	0.93	0.00	1.29	0.00	0.60	0.60	1.90
22	0.09	1.18	0.00	1.27	0.00	0.59	0.59	1.86
23	0.17	1.19	0.00	1.35	0.00	0.60	0.60	1.96
24	0.16	1.18	0.00	1.35	0.00	0.63	0.63	1.98
25	0.40	0.80	0.28	1.48	0.00	0.68	0.69	2.16
26	0.41	0.97	0.00	1.38	0.00	0.61	0.61	2.00
27	0.18	1.03	0.00	1.21	0.00	0.68	0.68	1.89
28	0.21	1.18	0.00	1.39	0.00	0.63	0.63	2.02
29	0.11	1.14	0.00	1.25	0.00	0.60	0.60	1.85
30	0.29	0.97	0.00	1.27	0.00	0.59	0.59	1.85
31	0.43	0.93	0.16	1.52	0.00	0.65	0.65	2.17
Sum	3.40	19.27	16.47	39.13	0.00	18.71	18.76	57.88

Triangle 68% Riverside 32%

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant:	Triangle Station
System Name:	Greater Augusta Utility District	Chemical Used:	Sodium Fluoride
PWSID#: 90080		Notes: See notes below for specific operating conditions.	
Reporting period:	May, 2016	Date	GAUD mg/L
Signature: 	6/9/2016	5/10/2016 11:25	0.65
		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	1.19	47	0.69	0.72
2	1.23	48	0.70	0.71
3	1.07	51	0.70	0.85
4	1.11	49	0.66	0.79
5	1.36	48	0.68	0.64
6	1.06	53	0.70	0.89
7	1.09	46	0.69	0.75
8	1.20	48	0.68	0.72
9	1.25	50	0.67	0.72
10	1.25	50	0.71	0.71
11	1.19	54	0.71	0.81
12	1.21	50	0.69	0.74
13	1.34	51	0.74	0.68
14	1.06	50	0.71	0.84
15	1.18	48	0.76	0.72
16	1.22	50	0.72	0.73
17	1.50	59	0.70	0.71
18	1.28	61	0.70	0.85
19	1.26	55	0.69	0.78
20	1.29	54	0.68	0.75
21	1.29	51	0.72	0.70
22	1.27	55	0.75	0.77
23	1.35	57	0.75	0.75
24	1.35	61	0.75	0.81
25	1.48	59	0.67	0.71
26	1.38	63	0.70	0.81
27	1.21	53	0.86	0.78
28	1.39	55	0.78	0.71
29	1.25	58	0.76	0.83
30	1.27	54	0.73	0.77
31	1.52	59	0.74	0.69
Avg	1.26	52.87	0.72	0.76
Min	1.06	45.51	0.66	0.64
Max	1.52	62.64	0.86	0.89
Total	39.13	1,639.12		

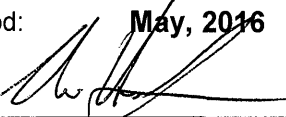
Operating comments

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **May, 2016**

Signature:  6/9/2016

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

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.64	12	0.52	0.34
2	0.53	15	0.59	0.51
3	0.65	29	0.91	0.80
4	0.58	25	1.03	0.78
5	0.64	27	1.25	0.76
6	0.57	25	1.04	0.79
7	0.58	25	1.21	0.78
8	0.56	23	1.28	0.74
9	0.62	21	1.16	0.61
10	0.53	20	1.11	0.68
11	0.60	27	1.24	0.80
12	0.63	27	1.19	0.77
13	0.58	23	1.15	0.72
14	0.58	25	1.19	0.78
15	0.59	24	1.21	0.73
16	0.52	7	0.48	0.24
17	0.60	25	1.63	0.74
18	0.69	30	1.57	0.78
19	0.57	24	1.33	0.76
20	0.62	22	0.71	0.64
21	0.60	20	0.64	0.60
22	0.59	25	0.80	0.77
23	0.60	25	0.68	0.75
24	0.63	28	0.63	0.80
25	0.69	29	0.78	0.76
26	0.61	22	0.75	0.65
27	0.68	30	0.78	0.80
28	0.63	28	0.78	0.80
29	0.60	26	0.79	0.77
30	0.59	25	0.77	0.77
31	0.65	28	0.76	0.78
Avg	0.61	23.94	0.97	0.71
Min	0.52	7.00	0.48	0.24
Max	0.69	30.00	1.63	0.80
Total	18.76	742.00		

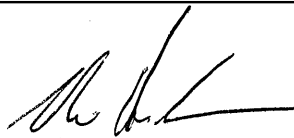
Operating comments

Hach CA610 analyzer was not working properly during this period. Use theoretical computation for residual.

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine



Reporting month: May, 2016

Reporting date 6/10/2016

Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
5/1/2016				Station component installation and startup
5/2/2016				
5/3/2016				
5/4/2016				
5/5/2016				
5/6/2016				
5/7/2016				
5/8/2016				
5/9/2016				
5/10/2016				
5/11/2016				
5/12/2016	96,939	0.77		
5/13/2016	85,236	0.79		
5/14/2016	71,723	0.79		
5/15/2016	85,005	0.74		
5/16/2016	162,849	0.85		GAUD began adjusting hypochlorite dose
5/17/2016	119,115	0.93		
5/18/2016	85,544	1.19		
5/19/2016	130,241	1.17		
5/20/2016	115,188	1.20	1	
5/21/2016	116,920	1.19		
5/22/2016	74,649	1.19		
5/23/2016	85,082	1.31	1	
5/24/2016	139,519	1.41	1	
5/25/2016				On Togus tank - no flow today
5/26/2016	166,122	1.32	1	
5/27/2016	130,395	1.40	0.55	
5/28/2016	102,714	1.13		
5/29/2016	78,806	1.02		
5/30/2016	98,672	1.34		
5/31/2016	162,426	1.40	3.45	
Sum	2,107,144		8	
Average	110,902	1.11		
Max		1.41		

Building 200

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: MAY 2016

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2	36860	2.0	.79	1.13	.44
3					
4					
5	66763	3.25	.81	1.34	.52
6					
7					
8					
9	60427	3.25	.79	1.21	.3
10					
11	44286	2.25	.79	1.21	.33
12	23968	2.0	.75	1.43	.50
13					
14					
15					
16	52780	3.0	.78	1.12	.40
17	18018	1.0	.79	1.29	.50
18					
19	44895	3.0	1.19	1.55	.65
20	17068	.75	1.11	1.53	.63
21					
22					
23	25281	1.75	1.00	1.31	.81
24	20145	1.0	1.22	1.60	.55
25	21841	.75	1.20	1.45	.50
26	16809	.50	1.43	1.77	.26
27	22645	.50	1.43	1.67	.67
28					
29					
30					
31	34437	.50	1.20	1.36	.40

Total

506,223

25.5

Building 206

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: MAY 2016

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2	8,880	1.0	.80	1.14	.50
3					
4					
5	9,566	.75	.80	1.49	.55
6					
7					
8	8,432	.5	.78	1.33	.50
9					
10					
11	9,009	.5	.78	1.48	.51
12					
13	7,815	.5	.78	1.53	.55
14					
15					
16	6,768	.5	.77	1.43	.66
17					
18	7,048	.5	.82	1.55	.60
19	3,308		1.18	1.48	.51
20	2,216	.25	1.15	1.45	.50
21					
22					
23	6,725	.25	1.11	1.55	.68
24					
25					
26					
27	11,015	.5	1.19	1.22	.32
28					
29					
30					
31	6,675				

Total 187,457 5.25

Building 207

Monthly Operating Report

System Type- All GW system

System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: MAY 2016

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2	25,727	1.5	.79	1.27	.57
3					
4					
5					
6	16,552	1.0	1.81	1.33	.50
7					
8					
9	9,997	.5	.77	1.00	.49
10					
11					
12	11,689	.5	.76	1.11	.47
13					
14					
15					
16	17,900	.75	.76	1.00	.30
17					
18					
19	15,173	.75	1.30	1.63	.69
20					
21					
22					
23					
24					
25	27,284	1.0	1.22	1.55	.60
26	5,033		1.24	1.24	.44
27	6,300		1.24	1.33	1.06
28					
29					
30					
31	18,584	1.0	1.22	1.32	.44

Total | 147,939 | 7.0 |

Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

Dave Bustin, Hallowell voting member
dbustin@greateraugustautilitydistrict.org

Bob Corey
bcorey@greateraugustautilitydistrict.org



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

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

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

July 8, 2016

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, 2016.

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;
6. Togus disinfection station report; and
7. East Pittston Water District total coliform reports (PWSID: 92255)

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

Sincerely,

Brian Tarbuck, PE, System Class IV 2026

Bacteriological Report Form
Utility: Greater Augusta Utility District, PWSID ME0090080
Greater Augusta Utility District Laboratory, ME00012

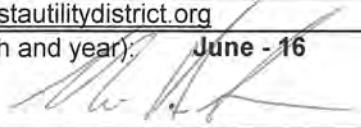
JUNE 2016

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

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

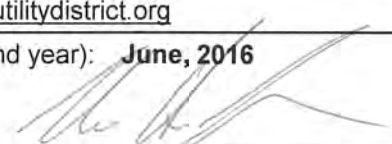
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform	Method	Lauryl Tryptose			EC 44.5c	HPC 48 hrs
										Present/Absent	MF/COLILERT	24 hr	48 hr	bril. green		
1	WESTERN STA.	DIS	MOONEY	6-1-16/9:35	0.90	0.90	0.77	MOONEY	6-1-16/2:15	A	COLILERT					
2	TRIANGLE WELLHOUSE	DIS	MOONEY	6-1-16/9:50	1.11	1.12	0.71	MOONEY	6-1-16/2:15	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	6-1-16/10:15	1.07	1.07	0.71	MOONEY	6-1-16/2:15	A	COLILERT					
4	12 WILLIAMS ST.	DIS	MOONEY	6-1-16/11:00	0.67	0.67	0.80	MOONEY	6-1-16/2:15	A	COLILERT					
5	HOSPITAL ST. STA.	DIS	MOONEY	6-1-16/11:20	0.91	0.91	0.79	MOONEY	6-1-16/2:15	A	COLILERT					
6	TOGUS STA.	DIS	MOONEY	6-1-16/11:50	0.70	0.69	0.79	MOONEY	6-1-16/2:15	A	COLILERT					
7	RIVERSIDE WELLHOUSE	DIS	MOONEY	6-1-16/12:25	1.11	1.11	0.74	MOONEY	6-1-16/2:15	A	COLILERT					
8	RIVERSIDE WELLHOUSE	DIS	MOONEY	6-8-16/9:40	1.07	1.06	0.78	MOONEY	6-8-16/2:20	A	COLILERT					
9	HOSPITAL ST. STA.	DIS	MOONEY	6-8-16/10:20	0.87	0.88	0.75	MOONEY	6-8-16/2:20	A	COLILERT					
10	12 WILLIAMS ST.	DIS	MOONEY	6-8-16/10:40	0.59	0.58	0.72	MOONEY	6-8-16/2:20	A	COLILERT					
11	WILLOW ST. STA.	DIS	MOONEY	6-8-16/10:55	0.91	0.90	0.72	MOONEY	6-8-16/2:20	A	COLILERT					
12	WESTERN STA.	DIS	MOONEY	6-8-16/10:25	0.79	0.79	0.67	MOONEY	6-8-16/2:20	A	COLILERT					
13	TRIANGLE WELLHOUSE	DIS	MOONEY	6-8-16/11:45	1.11	1.11	0.72	MOONEY	6-8-16/2:20	A	COLILERT					
14	NORTHWEST STA.	DIS	MOONEY	6-8-16/12:15	0.92	0.93	0.66	MOONEY	6-8-16/2:20	A	COLILERT					
15	QUALITY INN	DIS	MOONEY	6-8-16/12:40	0.49	0.49	0.67	MOONEY	6-8-16/2:20	A	COLILERT					
16	MANCHESTER TOWN OFFICE	DIS	MOONEY	6-14-16/8:50	0.25	0.25	0.72	MOONEY	6-14-16/2:00	A	COLILERT					
17	WESTERN STA.	DIS	MOONEY	6-14-16/9:10	1.10	1.10	0.61	MOONEY	6-14-16/2:00	A	COLILERT					
18	12 WILLIAMS ST.	DIS	MOONEY	6-14-16/9:35	0.53	0.53	0.73	MOONEY	6-14-16/2:00	A	COLILERT					
19	NORTHWEST STA.	DIS	MOONEY	6-14-16/9:55	1.03	1.03	0.70	MOONEY	6-14-16/2:00	A	COLILERT					
20	TRIANGLE WELLHOUSE	DIS	MOONEY	6-14-16/10:20	1.08	1.07	0.70	MOONEY	6-14-16/2:00	A	COLILERT					
21	RIVERSIDE WELLHOUSE	DIS	MOONEY	6-14-16/11:15	1.05	1.05	0.74	MOONEY	6-14-16/2:00	A	COLILERT					
22	HOSPITAL ST. STA.	DIS	MOONEY	6-14-16/12:00	0.78	0.78	0.72	MOONEY	6-14-16/2:00	A	COLILERT					
23	RIVERSIDE WELLHOUSE	DIS	MOONEY	6-20-16/10:00	1.20	1.20	0.73	MOONEY	6-20-16/2:20	A	COLILERT					
24	HOSPITAL ST. STA.	DIS	MOONEY	6-20-16/10:35	0.82	0.81	0.75	MOONEY	6-20-16/2:20	A	COLILERT					
25	12 WILLIAMS ST.	DIS	MOONEY	6-20-16/10:50	0.46	0.48	0.76	MOONEY	6-20-16/2:20	A	COLILERT					
26	TRIANGLE WELLHOUSE	DIS	MOONEY	6-20-16/12:10	1.20	1.18	0.74	MOONEY	6-20-16/2:20	A	COLILERT					
27	NORTHWEST STA.	DIS	MOONEY	6-21-16/10:45	1.00	0.99	0.71	MOONEY	6-21-16/12:15	A	COLILERT					
28	WESTERN STA.	DIS	MOONEY	6-21-16/11:30	1.04	1.03	0.72	MOONEY	6-21-16/12:15	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	6-20-16/8:15	0.00	0.01		MOONEY	6-20-16/2:00							0:4ML

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):	June - 16		
Date:	July 8, 2016		
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	1.37	7.33	1.27	0.86	7.67	1.05	3	16		1.9	9	
2	1.39	7.32	1.23	0.66	7.67	1.05	3	15		1.4	7	
3	1.32	7.32	1.19	0.57	7.67	1.05	3	13	100	1.3	6	50
4	1.18	7.32	1.21	0.63	7.67	1.06	2	13		1.4	6	
5	1.23	7.32	1.23	0.65	7.67	1.03	3	12		1.5	7	
6	1.42	7.32	1.23	0.65	7.67	1.06	2	13		1.5	7	50
7	1.34	7.31	1.24	0.67	7.67	1.02	1	14		1.5	7	
8	1.31	7.31	1.24	0.85	7.68	1.01	5	16		1.9	9	
9	1.14	7.31	1.26	0.47	7.67	1.02	1	13		1.1	5	
10	1.41	7.31	1.28	0.67	7.68	1.02	3	11		1.5	7	50
11	1.19	7.30	1.28	0.62	7.68	1.01	3	16		1.4	6	
12	1.37	7.30	1.29	0.66	7.68	1.04	2	11		1.5	7	
13	1.26	7.30	1.26	0.62	7.68	1.01	3	14	100	1.4	6	
14	1.49	7.29	1.22	0.66	7.68	1.01	2	14		1.5	7	
15	1.15	7.29	1.19	0.85	7.69	1.00	3	18		1.9	9	
16	1.36	7.27	1.22	0.50	7.69	1.09	2	13		1.1	5	
17	1.44	7.26	1.23	0.66	7.69	1.16	3	15	100	1.5	7	50
18	1.16	7.25	1.16	0.58	7.69	1.13	3	16		1.3	6	
19	1.09	7.24	1.13	0.60	7.68	1.12	1	11		1.4	6	
20	1.47	7.24	1.23	0.62	7.68	1.13	5	11		1.4	6	
21	1.51	7.23	1.24	0.60	7.69	1.11	4	16		1.3	6	
22	1.32	7.23	1.18	0.64	7.68	1.10	2	17		1.7	7	
23	1.32	7.23	1.19	0.58	7.68	1.10	0	13		1.4	6	
24	1.33	7.22	1.19	0.58	7.68	1.09	3	14	50	1.4	6	50
25	1.23	7.22	1.14	0.60	7.68	1.09	3	14		1.5	6	
26	1.30	7.22	1.16	0.62	7.68	1.08	4	13		1.5	6	
27	1.53	7.22	1.23	0.65	7.68	1.08	3	13	100	1.5	7	50
28	1.23	7.23	1.15	0.71	7.68	1.08	4	18		2.0	7	
29	1.49	7.21	1.22	0.53	7.68	1.08	3	13		1.2	5	
30	1.28	7.23	0.83	0.59	7.68	1.08	1	13		1.3	6	
Summary	39.63	7.27	0.83	19.15	7.68	1.00	82	417	450	44	196	300
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used (fluoride reported separately)				
	Chemical Name	Purpose	Chemical Strength	Total Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	127 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	613 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:	0.88

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME	Brian Tarbuck		
License #:	2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year): June, 2016			
Date:	8-Jul-16		
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	0.46	0.91	0.00	1.37	0.00	0.86	0.86	2.23
2	0.19	1.19	0.00	1.39	0.00	0.66	0.66	2.04
3	0.12	1.20	0.00	1.32	0.00	0.57	0.57	1.89
4	0.16	1.02	0.00	1.18	0.00	0.63	0.63	1.81
5	0.19	1.04	0.00	1.23	0.00	0.65	0.65	1.88
6	0.33	1.09	0.00	1.42	0.00	0.65	0.65	2.07
7	0.47	0.86	0.00	1.34	0.00	0.67	0.67	2.00
8	0.39	0.92	0.00	1.31	0.00	0.85	0.85	2.15
9	0.16	0.97	0.00	1.14	0.00	0.47	0.47	1.60
10	0.21	1.19	0.00	1.41	0.00	0.67	0.67	2.07
11	0.17	1.01	0.00	1.19	0.00	0.62	0.62	1.81
12	0.18	1.20	0.00	1.37	0.00	0.66	0.66	2.03
13	0.59	0.67	0.00	1.26	0.00	0.62	0.62	1.88
14	0.93	0.24	0.31	1.49	0.00	0.66	0.66	2.14
15	0.74	0.00	0.41	1.15	0.00	0.85	0.85	2.00
16	0.93	0.00	0.43	1.36	0.00	0.50	0.50	1.86
17	0.93	0.00	0.50	1.44	0.00	0.66	0.66	2.10
18	0.94	0.00	0.22	1.16	0.00	0.58	0.58	1.74
19	0.94	0.00	0.14	1.09	0.00	0.60	0.60	1.69
20	0.93	0.00	0.55	1.47	0.00	0.62	0.62	2.09
21	0.93	0.00	0.58	1.51	0.00	0.60	0.60	2.12
22	0.93	0.06	0.32	1.32	0.00	0.64	0.64	1.96
23	0.93	0.00	0.39	1.32	0.00	0.58	0.58	1.91
24	0.93	0.00	0.40	1.33	0.00	0.58	0.58	1.92
25	0.93	0.00	0.30	1.23	0.00	0.60	0.60	1.83
26	0.92	0.00	0.38	1.30	0.00	0.62	0.62	1.92
27	0.92	0.00	0.61	1.53	0.00	0.65	0.65	2.18
28	0.82	0.07	0.35	1.23	0.00	0.71	0.71	1.94
29	0.60	0.00	0.89	1.49	0.00	0.53	0.53	2.02
30	0.82	0.00	0.46	1.28	0.00	0.59	0.59	1.87
Sum	18.70	13.66	7.27	39.63	0.00	19.15	19.15	58.77

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **June, 2016**

Signature: *[Handwritten Signature]* 7/8/2016

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
6/7/2016 @ 9:40	0.71	Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.37	62	0.70	0.81
2	1.39	58	0.62	0.75
3	1.32	61	0.72	0.83
4	1.18	54	0.74	0.82
5	1.23	51	0.73	0.74
6	1.42	60	0.73	0.76
7	1.34	60	0.72	0.80
8	1.31	59	0.73	0.81
9	1.14	57	0.69	0.90
10	1.41	57	0.67	0.72
11	1.19	62	0.67	0.94
12	1.37	56	0.68	0.73
13	1.26	57	0.68	0.81
14	1.49	59	0.69	0.71
15	1.15	61	0.71	0.95
16	1.36	56	0.73	0.73
17	1.44	60	0.75	0.75
18	1.16	57	0.72	0.88
19	1.09	49	0.72	0.80
20	1.47	62	0.70	0.75
21	1.51	66	0.63	0.78
22	1.32	67	0.68	0.91
23	1.32	56	0.66	0.77
24	1.33	58	0.68	0.78
25	1.23	55	0.73	0.80
26	1.30	54	0.67	0.74
27	1.53	58	0.70	0.68
28	1.23	62	0.70	0.90
29	1.49	55	0.70	0.66
30	1.28	58	0.60	0.81
Avg	1.32	57.87	0.70	0.79
Min	1.09	48.55	0.60	0.66
Max	1.53	66.77	0.75	0.95
Total	39.63	1,736.09		

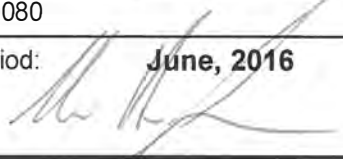
Operating comments

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **June, 2016**

Signature:  7/8/2016

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
		Triangle Station	

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.86	37	0.75	0.77
2	0.66	28	0.74	0.77
3	0.57	25	0.73	0.79
4	0.63	27	0.73	0.77
5	0.65	28	0.74	0.78
6	0.65	26	0.74	0.72
7	0.67	29	0.75	0.78
8	0.85	37	0.75	0.79
9	0.47	20	0.73	0.77
10	0.67	26	0.72	0.70
11	0.62	27	0.74	0.78
12	0.66	28	0.79	0.77
13	0.62	27	0.77	0.78
14	0.66	27	0.76	0.74
15	0.85	36	0.76	0.77
16	0.50	22	0.78	0.79
17	0.66	25	0.78	0.69
18	0.58	25	0.73	0.77
19	0.60	26	0.77	0.78
20	0.62	27	0.73	0.78
21	0.60	26	0.77	0.78
22	0.64	28	0.74	0.79
23	0.58	25	0.71	0.77
24	0.58	22	0.74	0.68
25	0.60	26	0.75	0.78
26	0.62	26	0.65	0.75
27	0.65	25	0.41	0.70
28	0.71	28	0.73	0.71
29	0.53	22	0.75	0.75
30	0.59	26	0.79	0.79
Avg	0.64	26.90	0.73	0.76
Min	0.47	20.00	0.41	0.68
Max	0.86	37.00	0.79	0.79
Total	19.15	807.00		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: June, 2016

Reporting date: 7/8/2016



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
6/1/2016	90,100	1.52	1.0	
6/2/2016	107,100	1.53	-	
6/3/2016	156,800	1.56	1.0	
6/4/2016	121,400	1.54	-	
6/5/2016	120,500	1.54	-	
6/6/2016	173,800	1.54	3.0	
6/7/2016	173,400	1.50	1.0	
6/8/2016	142,800	1.48	-	
6/9/2016	148,100	1.48	3.0	
6/10/2016	175,300	1.46	1.0	
6/11/2016	133,600	1.43	-	
6/12/2016	109,500	1.41	-	
6/13/2016	138,400	1.49	4.5	
6/14/2016	179,500	1.53	1.1	
6/15/2016	94,400	1.51	2.1	
6/16/2016	82,900	1.73	0.2	
6/17/2016	79,400	1.80	0.3	
6/18/2016	67,300	1.76	-	
6/19/2016	66,900	1.81	-	
6/20/2016	81,200	1.74	2.4	
6/21/2016	89,000	1.83	0.6	
6/22/2016	82,600	1.80	2.5	
6/23/2016	79,100	1.77	0.5	
6/24/2016	78,100	1.61	0.2	
6/25/2016	66,900	1.57	-	
6/26/2016	63,400	1.56	-	
6/27/2016	74,700	1.54	1.8	
6/28/2016	82,700	1.68	1.0	
6/29/2016	83,000	1.72	0.5	
6/30/2016	93,400	1.70	2.5	
Sum	3,235,300		30.2	
Average	107,843	1.60		
Max		1.83		

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:

June

Year:

2016

Public Water System Information	
System's name:	East Pittston #20
Sampler's phone #:	242-6252
PWSID#:	92255
Address:	1200 East Pittston Rd. Pittston Maine 04245
Sample Category (1):	Bacti
Sampler's name:	Bill Wilkinson

Laboratory Information	
Lab name:	Greater Augusta Utility District
Lab certification:	ME00012
Lab mgr. name:	Jane Mooney
Lab phone #:	207 623 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	6/9/16 09:00	160616	6/9 @ 9:45	0			9223B
2								
3								
4								

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

Sampler's Signature:

Bill Wilkinson

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.

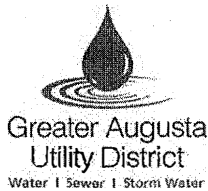
Rev:
12/98

Brian Tarbuck, General Manager
btarbuck@greataugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greataugustautilitydistrict.org

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

Bob Corey, Treasurer
bcorey@greataugustautilitydistrict.org



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

Kirsten Hebert
khebert@greataugustautilitydistrict.org

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

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

August 10, 2016

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, 2016.

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 "B. 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

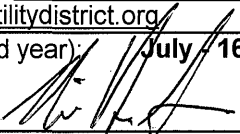
JULY 2016

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

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

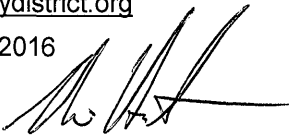
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform	Method	Lauryl Tryptose		EC 44.5c	HPC 48 hrs
										Present/Absent	MF/COLILERT	24 hr	48 hr		
1	WESTERN STA.	DIS	MOONEY	7-6-16/9:20	0.92	0.92	0.54	MOONEY	7-6-16/1:45	A	COLILERT				
2	TRIANGLE WELLHOUSE	DIS	MOONEY	7-6-16/9:40	1.22	1.19	0.63	MOONEY	7-6-16/1:45	A	COLILERT				
3	NORTHWEST STA.	DIS	MOONEY	7-6-16/10:00	0.98	0.98	0.61	MOONEY	7-6-16/1:45	A	COLILERT				
4	12 WILLIAMS ST.	DIS	MOONEY	7-6-16/10:25	0.57	0.58	0.67	MOONEY	7-6-16/1:45	A	COLILERT				
5	WILLOW ST. STA.	DIS	MOONEY	7-6-16/10:45	0.92	0.91	0.66	MOONEY	7-6-16/1:45	A	COLILERT				
6	HOSPITAL ST. STA.	DIS	MOONEY	7-6-16/11:05	0.83	0.83	0.67	MOONEY	7-6-16/1:45	A	COLILERT				
7	RIVERSIDE WELLHOUSE	DIS	MOONEY	7-6-16/11:40	1.08	1.08	0.68	MOONEY	7-6-16/1:45	A	COLILERT				
8	NORTHWEST STA.	DIS	MOONEY	7-12-16/10:00	1.04	1.03	0.57	MOONEY	7-12-16/2:15	A	COLILERT				
9	WESTERN STA.	DIS	MOONEY	7-12-16/10:20	0.97	0.96	0.55	MOONEY	7-12-16/2:15	A	COLILERT				
10	TRIANGLE WELLHOUSE	DIS	MOONEY	7-12-16/11:10	1.29	1.29	0.59	MOONEY	7-12-16/2:15	A	COLILERT				
11	12 WILLIAMS ST.	DIS	MOONEY	7-12-16/11:45	0.48	0.49	0.66	MOONEY	7-12-16/2:15	A	COLILERT				
12	HOSPITAL ST. STA.	DIS	MOONEY	7-12-16/12:10	0.72	0.72	0.67	MOONEY	7-12-16/2:15	A	COLILERT				
13	RIVERSIDE WELLHOUSE	DIS	MOONEY	7-12-16/12:25	1.10	1.08	0.68	MOONEY	7-12-16/2:15	A	COLILERT				
14	TOGUS STA.	DIS	MOONEY	7-13-16/10:20	1.86	1.84	0.67	MOONEY	7-13-16/11:00	A	COLILERT				
15	WESTERN STA.	DIS	MOONEY	7-19-16/9:00	0.84	0.83	0.63	MOONEY	7-19-16/1:30	A	COLILERT				
16	TRIANGLE WELLHOUSE	DIS	MOONEY	7-19-16/9:20	1.22	1.22	0.62	MOONEY	7-19-16/1:30	A	COLILERT				
17	NORTHWEST STA.	DIS	MOONEY	7-19-16/9:50	1.03	1.03	0.62	MOONEY	7-19-16/1:30	A	COLILERT				
18	12 WILLIAMS ST.	DIS	MOONEY	7-19-16/10:10	0.52	0.52	0.70	MOONEY	7-19-16/1:30	A	COLILERT				
19	HOSPITAL ST. STA.	DIS	MOONEY	7-19-16/10:30	0.62	0.62	0.71	MOONEY	7-19-16/1:30	A	COLILERT				
20	RIVERSIDE WELLHOUSE	DIS	MOONEY	7-19-16/11:30	1.06	1.03	0.68	MOONEY	7-19-16/1:30	A	COLILERT				
21	QUALITY INN	DIS	MOONEY	7-19-16/12:20	0.47	0.46	0.60	MOONEY	7-19-16/1:30	A	COLILERT				
22	MANCHESTER TOWN OFFICE	DIS	MOONEY	7-26-16/9:20	0.17	0.17	0.61	MOONEY	7-26-16/2:00	A	COLILERT				
23	WESTERN STA.	DIS	MOONEY	7-26-16/9:40	0.71	0.73	0.59	MOONEY	7-26-16/2:00	A	COLILERT				
24	TRIANGLE WELLHOUSE	DIS	MOONEY	7-26-16/10:00	1.15	1.14	0.61	MOONEY	7-26-16/2:00	A	COLILERT				
25	NORTHWEST STA.	DIS	MOONEY	7-26-16/10:20	1.12	1.12	0.56	MOONEY	7-26-16/2:00	A	COLILERT				
26	12 WILLIAMS ST.	DIS	MOONEY	7-26-16/10:45	0.39	0.40	0.67	MOONEY	7-26-16/2:00	A	COLILERT				
27	HOSPITAL ST. STA.	DIS	MOONEY	7-26-16/11:00	0.84	0.85	0.68	MOONEY	7-26-16/2:00	A	COLILERT				
28	RIVERSIDE WELLHOUSE	DIS	MOONEY	7-26-16/11:50	0.98	0.97	0.68	MOONEY	7-26-16/2:00	A	COLILERT				
*	LAB DISTILLED WATER	QC	MOONEY	7-18-16/1:25	0.01	0.01		MOONEY	7-18-16/2:30						0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):	July 16		
Date:	July 10, 2016		
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	1.39	7.23	1.17	0.61	7.68	1.07	2	16	50	1.4	6	
2	1.18	7.19	1.11	0.56	7.68	1.07	3	16		1.2	6	
3	1.32	7.20	1.17	0.59	7.68	1.06	-1	9		1.3	6	
4	1.40	7.19	1.17	0.58	7.68	1.06	4	13		1.3	6	
5	1.53	7.20	1.18	0.68	7.69	1.05	5	15		1.5	7	
6	1.57	7.22	1.17	0.69	7.68	1.05	3	16		1.5	7	
7	1.41	7.20	1.11	0.86	7.69	1.03	4	18		1.9	9	
8	1.56	7.21	1.26	0.40	7.68	1.01	1	15	100	0.9	4	50
9	1.09	7.17	1.27	0.68	7.69	1.10	3	9		1.4	7	
10	1.30	7.18	1.33	0.47	7.68	1.09	1	13		1.0	5	
11	1.55	7.19	1.28	0.66	7.69	1.10	4	10		1.4	7	50
12	1.67	7.20	1.29	0.68	7.69	1.10	3	16		1.5	7	
13	1.53	7.20	1.26	0.86	7.69	1.09	4	17		1.9	9	
14	1.55	7.21	1.24	0.53	7.69	1.08	5	16	550	1.2	6	
15	1.33	7.28	1.11	0.51	7.69	0.94	3	15		1.2	4	
16	1.46	7.31	1.26	0.64	7.69	0.96	3	14		1.6	6	
17	1.17	7.32	1.25	0.53	7.69	0.95	3	15		1.3	5	
18	1.43	7.31	1.26	0.44	7.69	1.03	2	11		1.1	4	50
19	1.57	7.31	1.27	0.86	7.70	1.04	3	16		2.1	9	
20	1.48	7.30	1.29	0.52	7.69	1.04	1	16		1.3	5	
21	1.46	7.30	1.28	0.70	7.70	0.94	3	16		1.7	6	
22	1.34	7.30	1.19	0.37	7.69	0.70	4	15		0.9	3	
23	1.54	7.30	1.24	0.86	7.70	1.03	3	15		2.1	9	
24	1.31	7.30	1.23	0.59	7.70	1.03	3	15		1.4	6	
25	1.44	7.30	1.24	0.47	7.70	1.01	2	14		1.1	5	
26	1.56	7.30	1.26	0.86	7.70	1.01	3	17		2.0	9	
27	1.52	7.30	1.24	0.57	7.70	1.01	0	0	50	1.4	6	
28	1.60	7.29	1.26	0.52	7.69	0.90	4	18		1.3	5	
29	1.27	7.29	1.21	0.86	7.70	1.17	2	17	50	2.0	10	50
30	1.40	7.28	1.23	0.55	7.69	1.13	3	13		1.3	6	
31	1.26	7.28	1.16	0.68	7.69	1.11	3	14		1.8	8	
Summary	44.19	7.25	1.11	19.37	7.69	0.70	86	439	800	45	198	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	131	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	637	gallons
NaF	Sodium fluoride	fluoridation		1,000	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:	0.90

Monthly Well Production Report		System Information		
System Type - All GW systems		Treatment plant/pump station: All wells		
System Name: Greater Augusta Utility District		Community System		
PWSID#: 90080		List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):		
Designated operator name and ME	Brian Tarbuck			
License #:	2026			
btarbuck@greataugustautilitydistrict.org				
Reporting period: July, 2016				
Date: August 10, 2016				
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	0.28	0.43	0.68	1.39	0.00	0.61	0.61	2.00
2	0.00	0.27	0.91	1.18	0.00	0.56	0.56	1.74
3	0.00	0.42	0.89	1.32	0.00	0.59	0.59	1.91
4	0.00	0.53	0.88	1.40	0.00	0.58	0.58	1.98
5	0.00	0.66	0.87	1.53	0.00	0.68	0.68	2.21
6	0.20	0.68	0.69	1.57	0.00	0.69	0.69	2.26
7	0.12	0.46	0.84	1.41	0.00	0.86	0.86	2.27
8	0.00	0.68	0.88	1.56	0.00	0.40	0.40	1.96
9	0.00	0.17	0.92	1.09	0.00	0.68	0.68	1.76
10	0.00	0.40	0.90	1.30	0.00	0.47	0.47	1.77
11	0.19	0.52	0.84	1.55	0.00	0.66	0.66	2.21
12	0.21	0.61	0.86	1.67	0.00	0.68	0.68	2.35
13	0.00	0.63	0.90	1.53	0.00	0.86	0.86	2.39
14	0.00	0.66	0.88	1.55	0.00	0.53	0.53	2.08
15	0.23	0.61	0.48	1.33	0.00	0.51	0.51	1.84
16	0.16	1.19	0.11	1.46	0.00	0.64	0.64	2.10
17	0.17	1.00	0.00	1.17	0.00	0.53	0.53	1.70
18	0.42	0.98	0.04	1.43	0.00	0.44	0.44	1.87
19	0.38	1.19	0.00	1.57	0.00	0.86	0.86	2.43
20	0.29	1.19	0.00	1.48	0.00	0.52	0.52	2.00
21	0.27	1.19	0.00	1.46	0.00	0.70	0.70	2.16
22	0.32	0.94	0.09	1.34	0.00	0.37	0.37	1.71
23	0.23	1.18	0.14	1.54	0.00	0.86	0.86	2.40
24	0.12	1.19	0.00	1.31	0.00	0.59	0.59	1.91
25	0.34	0.95	0.15	1.44	0.00	0.47	0.47	1.91
26	0.30	1.18	0.08	1.56	0.00	0.86	0.86	2.42
27	0.33	1.18	0.00	1.52	0.00	0.57	0.57	2.09
28	0.42	1.18	0.00	1.60	0.00	0.52	0.52	2.12
29	0.08	1.19	0.00	1.27	0.00	0.86	0.86	2.13
30	0.21	1.19	0.00	1.40	0.00	0.55	0.55	1.95
31	0.22	1.03	0.00	1.26	0.00	0.68	0.68	1.93
Sum	5.48	25.68	13.03	44.19	0.00	19.37	19.37	63.56

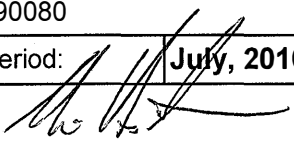
70% Triangle	<u>MGD</u>	<u>MGD</u>	<u>MGD</u>
30% Riverside	1.43	0.62	2.05

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **July, 2016**

Signature:  8/10/2016

System Information

Treatment plant: **Triangle Station**

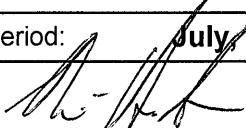
Chemical Used: **Sodium Fluoride**

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
7/20/2016 10:25	0.64	Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.39	46	0.58	0.59
2	1.18	38	0.13	0.59
3	1.32	0	0.05	0.00
4	1.40	0	0.06	0.00
5	1.53	34	0.14	0.40
6	1.57	55	0.30	0.63
7	1.41	58	0.55	0.74
8	1.56	47	0.60	0.54
9	1.09	49	0.57	0.80
10	1.30	40	0.60	0.56
11	1.55	50	0.57	0.59
12	1.67	56	0.55	0.60
13	1.53	57	0.51	0.67
14	1.55	55	0.26	0.64
15	1.33	51	0.31	0.68
16	1.46	47	0.41	0.57
17	1.17	48	0.69	0.73
18	1.43	176	0.40	2.21
19	1.57	179	0.51	2.06
20	1.48	55	0.63	0.66
21	1.46	52	0.62	0.64
22	1.34	51	0.62	0.68
23	1.54	48	0.35	0.57
24	1.31	50	0.60	0.68
25	1.44	51	0.54	0.63
26	1.56	53	0.53	0.61
27	1.52	53	0.51	0.62
28	1.60	52	0.39	0.58
29	1.27	53	0.39	0.74
30	1.40	45	0.63	0.57
31	1.26	47	0.72	0.67
Avg	1.43	54.47	0.46	0.68
Min	1.09	0.00	0.05	0.00
Max	1.67	178.98	0.72	2.21
Total	44.19	1,688.46		

Operating comments

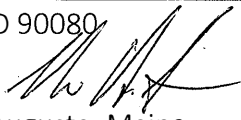
Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant:	Riverside Station
System Name:	Greater Augusta Utility District	Chemical Used:	Sodium Fluoride
PWSID#: 90080		Notes: See notes below for specific operating conditions.	
Reporting period: July 2016		Date	GAUD mg/L
Signature: 	8/10/2016	Location	HETL mg/L

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.61	24	0.75	0.71
2	0.56	22	0.70	0.71
3	0.59	23	0.73	0.70
4	0.58	22	0.71	0.69
5	0.68	27	0.70	0.72
6	0.69	26	0.69	0.68
7	0.86	34	0.68	0.72
8	0.40	13	0.69	0.59
9	0.68	26	0.69	0.69
10	0.47	18	0.70	0.69
11	0.66	24	0.71	0.66
12	0.68	26	0.75	0.69
13	0.86	34	0.74	0.71
14	0.53	21	0.73	0.71
15	0.51	20	0.76	0.70
16	0.64	26	0.76	0.73
17	0.53	21	0.73	0.71
18	0.44	15	0.73	0.62
19	0.86	34	0.73	0.71
20	0.52	20	0.73	0.69
21	0.70	28	0.72	0.72
22	0.37	14	0.72	0.68
23	0.86	34	0.71	0.71
24	0.59	24	0.72	0.73
25	0.47	19	0.72	0.73
26	0.86	34	0.70	0.71
27	0.57	22	0.70	0.70
28	0.52	20	0.75	0.69
29	0.86	32	0.77	0.67
30	0.55	21	0.72	0.69
31	0.68	25	0.72	0.67
Avg	0.62	24.16	0.72	0.69
Min	0.37	13.00	0.68	0.59
Max	0.86	34.00	0.77	0.73
Total	19.37	749.00		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026



Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: July, 2016

Reporting date: 8/10/2016

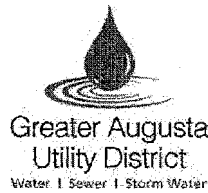
Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
7/1/2016	86,900	1.69	0.9	
7/2/2016	142,200	1.66	1.5	
7/3/2016	73,100	1.67	0.7	
7/4/2016	80,900	1.64	0.9	
7/5/2016	155,400	1.63	1.8	
7/6/2016	92,700	1.62	1.0	
7/7/2016	161,600	1.66	1.8	
7/8/2016	90,000	1.64	1.0	
7/9/2016	102,800	1.60	1.2	
7/10/2016	121,600	1.58	1.4	
7/11/2016	98,000	1.76	1.0	
7/12/2016	152,700	1.68	1.7	
7/13/2016	90,800	1.57	1.0	
7/14/2016	82,100	1.62	1.0	
7/15/2016	140,300	1.66	1.7	
7/16/2016	67,100	1.70	0.7	
7/17/2016	68,800	1.68	0.9	
7/18/2016	102,200	1.68	1.2	
7/19/2016	115,800	1.68	1.4	
7/20/2016	80,200	1.73	1.0	
7/21/2016	81,300	1.67	0.9	
7/22/2016	131,100	1.70	1.7	
7/23/2016	99,200	1.62	1.2	
7/24/2016	74,200	1.62	0.9	
7/25/2016	88,400	1.69	1.1	
7/26/2016	101,500	1.73	1.4	
7/27/2016	139,800	1.71	1.8	
7/28/2016	90,000	1.69	1.1	
7/29/2016	110,800	1.69	1.4	
7/30/2016	151,100	1.82	1.9	
7/31/2016	83,800	1.82	1.0	
Sum	3,256,400		38.3	
Average	105,045	1.67		
Max		1.82		

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



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

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

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

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

September 10, 2016

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, 2016.

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 "B. 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

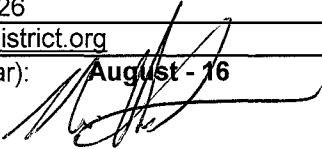
AUGUST 2016

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

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

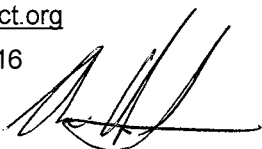
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform	Method	Lauryl Tryptose		EC 44.5c	HPC 48 hrs
										Present/Absent	MF/COLILERT	24 hr	48 hr bril. green		
1	WESTERN STA.	DIS	MOONEY	8-4-16/11:00	0.97	0.97	0.57	MOONEY	8-4-16/3:00	A	COLILERT				
2	TRIANGLE WELLHOUSE	DIS	MOONEY	8-4-16/11:20	1.11	1.11	0.60	MOONEY	8-4-16/3:00	A	COLILERT				
3	NORTHWEST STA.	DIS	MOONEY	8-4-16/11:50	0.96	0.97	0.57	MOONEY	8-4-16/3:00	A	COLILERT				
4	12 WILLIAMS ST.	DIS	MOONEY	8-4-16/12:10	0.53	0.53	0.64	MOONEY	8-4-16/3:00	A	COLILERT				
5	HOSPITAL ST. STA.	DIS	MOONEY	8-4-16/12:30	0.77	0.77	0.64	MOONEY	8-4-16/3:00	A	COLILERT				
6	RIVERSIDE WELLHOUSE	DIS	MOONEY	8-4-016/1:05	1.11	1.09	0.66	MOONEY	8-4-16/3:00	A	COLILERT				
7	WESTERN STA.	DIS	MOONEY	8-8-16/8:50	0.73	0.72	0.60	MOONEY	8-8-16/1:45	A	COLILERT				
8	TRIANGLE WELLHOUSE	DIS	MOONEY	8-8-16/9:10	0.99	0.97	0.58	MOONEY	8-8-16/1:45	A	COLILERT				
9	NORTHWEST STA.	DIS	MOONEY	8-8-16/9:30	1.01	1.02	0.60	MOONEY	8-8-16/1:45	A	COLILERT				
10	WILLOW ST. STA.	DIS	MOONEY	8-8-16/9:50	0.84	0.84	0.62	MOONEY	8-8-16/1:45	A	COLILERT				
11	12 WILLIAMS ST.	DIS	MOONEY	8-8-16/10:10	0.67	0.66	0.63	MOONEY	8-8-16/1:45	A	COLILERT				
12	HOSPITAL ST. STA.	DIS	MOONEY	8-8-16/10:25	0.58	0.59	0.62	MOONEY	8-8-16/1:45	A	COLILERT				
13	TOGUS STA.	DIS	MOONEY	8-8-16/10:55	0.56	0.57	0.63	MOONEY	8-8-16/1:45	A	COLILERT				
14	RIVERSIDE WELLHOUSE	DIS	MOONEY	8-8-16/11:25	0.96	0.95	0.63	MOONEY	8-8-16/1:45	A	COLILERT				
15	NORTHWEST STA.	DIS	MOONEY	8-16-16/8:45	0.74	0.76	0.63	MOONEY	8-16-16/2:00	A	COLILERT				
16	TRIANGLE WELLHOUSE	DIS	MOONEY	8-16-16/9:05	1.05	1.02	0.61	MOONEY	8-16-16/2:00	A	COLILERT				
17	WESTERN STA.	DIS	MOONEY	8-16-16/9:30	0.74	0.73	0.57	MOONEY	8-16-16/2:00	A	COLILERT				
18	12 WILLIAMS ST.	DIS	MOONEY	8-16-16/9:55	0.57	0.57	0.62	MOONEY	8-16-16/2:00	A	COLILERT				
19	HOSPITAL ST. STA.	DIS	MOONEY	8-16-16/10:15	1.02	1.00	0.60	MOONEY	8-16-16/2:00	A	COLILERT				
20	RIVERSIDE WELLHOUSE	DIS	MOONEY	8-16-16/11:40	1.24	1.23	0.58	MOONEY	8-16-16/2:00	A	COLILERT				
21	QUALITY INN	DIS	MOONEY	8-16-16/12:25	0.44	0.44	0.57	MOONEY	8-16-16/2:00	A	COLILERT				
22	WESTERN STA.	DIS	MOONEY	8-23-16/9:40	0.85	0.85	0.60	MOONEY	8-24-16/8:45	A	COLILERT				
23	TRIANGLE WELLHOUSE	DIS	MOONEY	8-23-16/10:45	1.23	1.23	0.64	MOONEY	8-24-16/8:45	A	COLILERT				
24	NORTHWEST STA.	DIS	MOONEY	8-23-16/11:10	0.88	0.90	0.62	MOONEY	8-24-16/8:45	A	COLILERT				
25	MANCHESTER TOWN OFFICE	DIS	MOONEY	8-23-16/11:40	0.15	0.17	0.63	MOONEY	8-24-16/8:45	A	COLILERT				
26	12 WILLIAMS ST.	DIS	MOONEY	8-23-16/12:50	0.62	0.62	0.70	MOONEY	8-24-16/8:45	A	COLILERT				
27	RIVERSIDE WELLHOUSE	DIS	MOONEY	8-23-16/1:30	1.28	1.28	0.71	MOONEY	8-24-16/8:45	A	COLILERT				
28	HOSPITAL ST. STA.	DIS	MOONEY	8-23-16/2:10	0.42	0.42	0.70	MOONEY	8-24-16/8:45	A	COLILERT				
*	LAB DISTILLED WATER	QC	MOONEY	8-22-16/7:15	0.01	0.01		MOONEY	8-22-16/8:20						0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
	btarbuck@greataugustautilitydistrict.org		
Reporting period (month and year):	August - 16		
Date:	September 9, 2016		
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	1.43	7.27	1.23	0.63	7.69	1.13	0	14	50	1.5	7	
2	1.51	7.27	1.24	0.67	7.69	1.13	3	16		1.6	8	
3	1.65	7.27	1.26	0.86	7.69	1.12	2	16		2.1	10	
4	1.49	7.27	1.24	0.58	7.69	1.12	3	18		1.4	7	
5	1.63	7.27	1.25	0.86	7.69	1.11	3	16	100	2.0	10	
6	1.27	7.27	1.18	0.48	7.69	1.09	3	19		1.1	6	
7	1.26	7.27	1.18	0.68	7.69	1.06	2	12		1.7	8	
8	1.48	7.31	1.15	0.64	7.68	0.75	1	13	50	1.5	5	50
9	1.56	7.26	1.18	0.74	7.69	0.88	1	16		1.7	7	
10	1.36	7.24	1.16	0.61	7.69	1.10	2	17		1.5	7	
11	1.38	7.24	1.16	0.62	7.69	1.08	5	15		1.5	8	
12	1.59	7.24	1.14	0.71	7.69	1.07	3	16	50	1.7	9	
13	1.12	7.21	1.09	0.57	7.70	1.12	2	18		1.4	8	
14	1.17	7.22	1.10	0.69	7.70	1.12	1	9		1.6	9	
15	1.50	7.23	1.14	0.48	7.69	1.05	3	14		1.1	6	
16	1.22	7.23	1.10	0.77	7.70	1.09	1	15	50	1.8	10	
17	1.42	7.23	1.20	0.48	7.70	1.19	4	16	100	1.2	6	
18	1.27	7.22	1.29	0.62	7.70	1.28	4	8		1.5	9	50
19	1.41	7.23	1.30	0.64	7.70	1.06	5	13		1.6	7	
20	1.11	7.21	1.20	0.59	7.70	1.11	3	15		1.4	7	
21	1.28	7.22	1.25	0.61	7.70	1.15	3	13		1.5	8	
22	1.27	7.22	1.26	0.63	7.71	1.16	2	17		1.5	8	
23	1.31	7.22	1.27	0.53	7.70	1.15	2	13		1.3	7	
24	1.58	7.24	1.16	0.64	7.71	1.17	3	14		1.6	8	
25	1.33	7.29	1.28	0.62	7.70	1.16	3	19		1.5	8	
26	1.38	7.29	1.34	0.68	7.71	1.15	2	84	50	1.6	9	50
27	1.18	7.28	1.35	0.62	7.71	1.15	2	15		1.5	8	
28	1.18	7.27	1.33	0.51	7.70	1.12	2	14		1.2	7	
29	0.95	7.27	1.30	0.29	7.71	1.15	2	15	100	0.7	4	50
30	1.11	7.27	1.25	0.63	7.71	1.26	1	6		1.5	8	
31	1.04	7.26	1.29	0.86	7.70	1.09	2	6		2.0	10	50
Summary	41.41	7.25	1.09	19.55	7.70	0.75	76	513	550	47	239	250
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

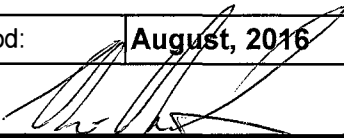
Chemicals Used (fluoride reported separately)					
	Chemical Name	Purpose	Chemical Strength	Total	Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	122	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	752	gallons
NaF	Sodium fluoride	fluoridation		800	pounds

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

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period:	August, 2016		
Date:	September 10, 2016		
Signature:			

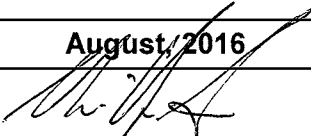
Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Sum Riverside Station	Sum All wells
1	0.24	1.18	0.00	1.43	0.00	0.63	0.63	2.06
2	0.33	1.18	0.00	1.51	0.00	0.67	0.67	2.18
3	0.47	1.17	0.00	1.65	0.00	0.86	0.86	2.51
4	0.30	1.18	0.00	1.49	0.00	0.58	0.58	2.07
5	0.45	1.17	0.00	1.63	0.00	0.86	0.86	2.49
6	0.09	1.18	0.00	1.27	0.00	0.48	0.48	1.75
7	0.27	0.92	0.08	1.26	0.00	0.68	0.68	1.94
8	0.40	0.19	0.89	1.48	0.00	0.64	0.64	2.12
9	0.67	0.00	0.89	1.56	0.00	0.74	0.74	2.30
10	0.46	0.00	0.90	1.36	0.00	0.61	0.61	1.97
11	0.50	0.21	0.67	1.38	0.00	0.62	0.62	2.00
12	0.44	0.50	0.65	1.59	0.00	0.71	0.71	2.31
13	0.11	0.10	0.91	1.12	0.00	0.57	0.57	1.69
14	0.26	0.00	0.91	1.17	0.00	0.69	0.69	1.86
15	0.60	0.00	0.90	1.50	0.00	0.48	0.48	1.98
16	0.41	0.05	0.76	1.22	0.00	0.77	0.77	1.99
17	0.52	0.00	0.90	1.42	0.00	0.48	0.48	1.90
18	0.36	0.00	0.91	1.27	0.00	0.62	0.62	1.89
19	0.51	0.00	0.90	1.41	0.00	0.64	0.64	2.05
20	0.19	0.00	0.91	1.11	0.00	0.59	0.59	1.69
21	0.37	0.00	0.90	1.28	0.00	0.61	0.61	1.89
22	0.36	0.00	0.90	1.27	0.00	0.63	0.63	1.90
23	0.41	0.00	0.90	1.31	0.00	0.53	0.53	1.84
24	0.71	0.60	0.27	1.58	0.00	0.64	0.64	2.22
25	0.35	0.98	0.00	1.33	0.00	0.62	0.62	1.95
26	0.38	0.99	0.00	1.38	0.00	0.68	0.68	2.05
27	0.00	1.18	0.00	1.18	0.00	0.62	0.62	1.80
28	0.00	1.18	0.00	1.18	0.00	0.51	0.51	1.69
29	0.16	0.79	0.00	0.95	0.00	0.29	0.29	1.24
30	0.36	0.47	0.29	1.11	0.00	0.63	0.63	1.74
31	0.33	0.43	0.28	1.04	0.00	0.86	0.86	1.91
Sum	11.03	15.66	14.72	41.41	0.00	19.55	19.55	60.96

68% Triangle	<u>MGD</u>	<u>MGD</u>	<u>MGD</u>
32% Riverside	1.34	0.63	1.97

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant:	Triangle Station		
System Name:	Greater Augusta Utility District	Chemical Used:	Sodium Fluoride		
PWSID#: 90080		Notes: See notes below for specific operating conditions.			
Reporting period:	August, 2016	Date	GAUD mg/L	Location	HETL mg/L
Signature: 	9/9/2016	8/22/16 10:15 AM	0.56	Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.43	46	0.67	0.57
2	1.51	51	0.58	0.60
3	1.65	55	0.67	0.60
4	1.49	58	0.57	0.70
5	1.63	53	0.54	0.58
6	1.27	52	0.43	0.73
7	1.26	47	0.40	0.68
8	1.48	49	0.69	0.59
9	1.56	55	0.35	0.63
10	1.36	57	0.37	0.75
11	1.38	50	0.28	0.65
12	1.59	51	0.34	0.57
13	1.12	51	0.57	0.81
14	1.17	40	0.61	0.62
15	1.50	52	0.60	0.62
16	1.22	53	0.61	0.78
17	1.42	44	0.60	0.56
18	1.27	46	0.60	0.66
19	1.41	50	0.60	0.63
20	1.11	52	0.58	0.84
21	1.28	44	0.60	0.61
22	1.27	46	0.61	0.65
23	1.31	48	0.62	0.66
24	1.58	55	0.63	0.62
25	1.33	56	0.62	0.75
26	1.38	51	0.63	0.66
27	1.18	44	0.62	0.68
28	1.18	42	0.64	0.65
29	0.95	42	0.63	0.80
30	1.11	36	0.61	0.59
31	1.04	36	0.60	0.63
Avg	1.34	48.59	0.56	0.66
Min	0.95	36.41	0.28	0.56
Max	1.65	57.64	0.69	0.84
Total	41.41	1,506.40		

Operating comments

Monthly Fluoride Report		System Information		
System Type - Fluoride Systems		Treatment plant:	Riverside Station	
System Name:	Greater Augusta Utility District	Chemical Used:	Sodium Fluoride	
PWSID#: 90080		Notes: See notes below for specific operating conditions.		
Reporting period:	August, 2016	Date	GAUD mg/L	Location
Signature:		9/9/2016		HETL mg/L

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.63	21	0.63	0.60
2	0.67	26	0.71	0.70
3	0.86	34	0.69	0.71
4	0.58	23	0.69	0.71
5	0.86	33	0.67	0.69
6	0.48	18	0.65	0.68
7	0.68	26	0.65	0.68
8	0.64	23	0.66	0.65
9	0.74	29	0.70	0.71
10	0.61	23	0.71	0.68
11	0.62	25	0.79	0.73
12	0.71	27	0.73	0.68
13	0.57	22	0.70	0.70
14	0.69	27	0.67	0.70
15	0.48	18	0.67	0.68
16	0.77	30	0.64	0.70
17	0.48	18	0.64	0.68
18	0.62	22	0.63	0.64
19	0.64	24	0.70	0.67
20	0.59	23	0.73	0.71
21	0.61	23	0.74	0.68
22	0.63	25	0.74	0.71
23	0.53	20	0.73	0.68
24	0.64	25	0.71	0.70
25	0.62	25	0.70	0.72
26	0.68	23	0.68	0.61
27	0.62	22	0.63	0.64
28	0.51	17	0.62	0.60
29	0.29	7	0.57	0.44
30	0.63	24	0.75	0.69
31	0.86	27	0.65	0.56
Avg	0.63	23.55	0.68	0.67
Min	0.29	7.00	0.57	0.44
Max	0.86	34.00	0.79	0.73
Total	19.55	730.00		

Operating comments

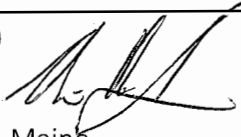
Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: August, 2016

Reporting date: 9/10/2016



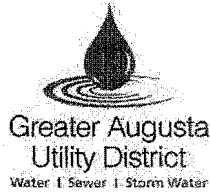
Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
8/1/2016	172,500	1.80	2.1	
8/2/2016	163,800	1.83	2.1	
8/3/2016	120,900	1.82	1.5	
8/4/2016	175,800	1.85	2.2	
8/5/2016	159,800	1.84	2.0	
8/6/2016	117,700	1.87	1.5	
8/7/2016	145,200	1.79	1.9	
8/8/2016	116,600	1.78	1.5	
8/9/2016	162,100	1.77	1.9	
8/10/2016	93,800	1.74	1.2	
8/11/2016	158,800	1.67	2.1	
8/12/2016	101,100	1.68	1.3	
8/13/2016	108,900	1.72	1.4	
8/14/2016	106,100	1.65	1.3	
8/15/2016	91,100	1.70	1.2	
8/16/2016	160,300	1.77	2.1	
8/17/2016	148,200	1.77	1.9	
8/18/2016	124,200	1.94	1.6	
8/19/2016	163,000	1.79	1.9	
8/20/2016	77,900	1.86	0.9	
8/21/2016	79,100	1.78	0.9	
8/22/2016	150,600	1.74	1.8	
8/23/2016	90,500	1.74	1.0	
8/24/2016	157,900	1.81	1.8	
8/25/2016	94,300	1.80	1.1	
8/26/2016	88,100	1.87	1.0	
8/27/2016	139,500	1.79	1.6	
8/28/2016	61,000	1.74	0.7	
8/29/2016	81,800	1.96	0.9	
8/30/2016	88,200	1.89	1.0	
8/31/2016	110,700	1.86	1.3	
Sum	3,809,500		46.5	
Average	122,887	1.79	1.50	
Max		1.96		

Brian Tarbuck, General Manager
btarbuck@greataugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greataugustautilitydistrict.org

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

Bob Corey, Treasurer
bcorey@greataugustautilitydistrict.org



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

Kirsten Hebert
khebert@greataugustautilitydistrict.org

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

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

October 7, 2016

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, 2016.

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;
6. Togus disinfection station report; and
7. East Pittston Water District Total Coliform Monitoring Report (PWSID: 92255).

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

Sincerely,

A handwritten signature in black ink, appearing to read "B. Tarbuck", written over a light blue horizontal line.

Brian Tarbuck, PE, System Class IV 2026

Bacteriological Report Form

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

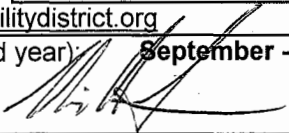
SEPTEMBER 2016

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

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

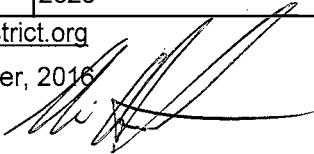
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform	Method	Lauryl Tryptose				
										Present/Absent	MF/COLILERT	24 hr	48 hr	bril. green	EC 44.5c	HPC 48 hrs
1	WESTERN STA.	DIS	MOONEY	9-7-16/10:20	0.73	0.74	0.60	MOONEY	9-7-16/2:30	A	COLILERT					
2	TRIANGLE WELLHOUSE	DIS	MOONEY	9-7-16/10:45	1.15	1.15	0.54	MOONEY	9-7-16/2:30	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	9-7-16/11:05	0.85	0.85	0.63	MOONEY	9-7-16/2:30	A	COLILERT					
4	12 WILLIAMS ST.	DIS	MOONEY	9-7-16/11:35	0.47	0.48	0.66	MOONEY	9-7-16/2:30	A	COLILERT					
5	HOSPITAL ST. STA.	DIS	MOONEY	9-5-16/11:55	0.51	0.51	0.65	MOONEY	9-7-16/2:30	A	COLILERT					
6	RIVERSIDE WELLHOUSE	DIS	MOONEY	9-7-16/12:45	0.96	0.95	0.62	MOONEY	9-7-16/2:30	A	COLILERT					
7	WILLOW ST. STA.	DIS	MOONEY	9-12-16/10:20	0.65	0.64	0.65	MOONEY	9-12-16/2:15	A	COLILERT					
8	TOGUS STA.	DIS	MOONEY	9-12-16/10:40	0.42	0.42	0.65	MOONEY	9-12-16/2:15	A	COLILERT					
9	RIVERSIDE WELLHOUSE	DIS	MOONEY	9-12-16/11:20	0.89	0.89	0.64	MOONEY	9-12-16/2:15	A	COLILERT					
10	TRIANGLE WELLHOUSE	DIS	MOONEY	9-12-16/12:00	1.11	1.11	0.63	MOONEY	9-12-16/2:15	A	COLILERT					
11	HOSPITAL ST. STA.	DIS	MOONEY	9-13-16/10:15	0.32	0.34	0.63	MOONEY	9-13-16/2:15	A	COLILERT					
12	12 WILLIAMS ST.	DIS	MOONEY	9-13-16/10:35	0.34	0.36	0.64	MOONEY	9-13-16/2:15	A	COLILERT					
13	NORTHWEST STA.	DIS	MOONEY	6-13-16/11:40	0.95	0.95	0.60	MOONEY	9-13-16/2:15	A	COLILERT					
14	WESTERN STA.	DIS	MOONEY	9-13-16/12:30	0.93	0.94	0.60	MOONEY	9-13-16/2:15	A	COLILERT					
15	QUALITY INN	DIS	MOONEY	9-13-16/12:50	0.70	0.71	0.58	MOONEY	9-13-16/2:15	A	COLILERT					
16	MANCHESTER TOWN OFFICE	DIS	MOONEY	9-20-16/10:20	0.12	0.13	0.60	MOONEY	9-21-16/6:50	A	COLILERT					
17	HOSPITAL ST. STA.	DIS	MOONEY	9-20-16/11:30	0.60	0.60	0.65	MOONEY	9-21-16/6:50	A	COLILERT					
18	RIVERSIDE WELLHOUSE	DIS	MOONEY	9-20-16/12:05	1.08	1.07	0.66	MOONEY	9-21-16/6:50	A	COLILERT					
19	12 WILLIAMS ST.	DIS	MOONEY	9-20-16/12:50	0.56	0.54	0.63	MOONEY	9-21-16/6:50	A	COLILERT					
20	NORTHWEST STA.	DIS	MOONEY	9-20-16/1:10	1.14	1.13	0.59	MOONEY	9-21-16/6:50	A	COLILERT					
21	TRIANGLE WELLHOUSE	DIS	MOONEY	9-20-16/1:30	1.11	1.12	0.60	MOONEY	9-21-16/6:50	A	COLILERT					
22	WESTERN STA.	DIS	MOONEY	9-20-16/1:55	0.96	0.96	0.59	MOONEY	9-21-16/6:50	A	COLILERT					
23	WESTERN STA.	DIS	MOONEY	9-27-16/9:50	0.82	0.82	0.59	MOONEY	9-27-16/2:00	A	COLILERT					
24	TRIANGLE WELLHOUSE	DIS	MOONEY	9-27-16/10:05	1.27	1.28	0.56	MOONEY	9-27-16/2:00	A	COLILERT					
25	NORTHWEST STA.	DIS	MOONEY	9-27-16/10:30	1.17	1.13	0.57	MOONEY	9-27-16/2:00	A	COLILERT					
26	12 WILLIAMS ST.	DIS	MOONEY	9-27-16/10:50	0.50	0.50	0.60	MOONEY	9-27-16/2:00	A	COLILERT					
27	HOSPITAL ST. STA.	DIS	MOONEY	9-27-16/11:10	1.04	1.03	0.60	MOONEY	9-27-16/2:00	A	COLILERT					
28	RIVERSIDE WELLHOUSE	DIS	MOONEY	9-27-16/11:55	1.30	1.29	0.62	MOONEY	9-27-16/2:00	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	9-27-16/7:17	0.01	0.00		MOONEY	9-27-16/8:45							0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period (month and year):	September - 16		
Date:	October 7, 2016		
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	1.14	7.26	1.36	0.85	7.70	0.93	-1	13		2.0	8	
2	2.06	7.25	1.36	0.43	7.72	0.95	2	25		1.0	4	
3	1.33	7.25	1.31	0.60	7.72	0.97	3	16		1.5	6	
4	1.12	7.24	1.25	0.52	7.72	0.97	2	13		1.3	5	
5	1.13	7.24	1.24	0.59	7.71	0.96	2	13		1.4	6	
6	1.36	7.24	1.27	0.63	7.72	0.96	2	11		1.5	6	50
7	1.26	7.24	1.31	0.66	7.71	0.93	3	15		1.6	6	
8	1.17	7.24	1.30	0.62	7.71	0.89	2	15	100	1.5	6	
9	1.46	7.23	1.31	0.65	7.72	0.91	2	18		1.5	6	
10	1.04	7.24	1.29	0.64	7.72	0.90	2	12		1.5	6	
11	1.07	7.24	1.29	0.63	7.72	0.91	2	13		1.5	6	
12	1.34	7.22	1.28	0.62	7.70	0.83	1	17		1.5	6	
13	1.16	7.23	1.27	0.52	7.70	0.82	2	14		1.2	5	
14	1.19	7.22	1.27	0.62	7.70	0.89	3	15		1.5	6	
15	1.31	7.22	1.29	0.56	7.71	0.94	2	9		1.3	6	50
16	0.98	7.23	1.28	0.60	7.71	1.00	1	11	100	1.5	7	
17	1.13	7.23	1.28	0.59	7.71	0.99	3	7		1.4	7	
18	1.08	7.23	1.29	0.59	7.71	0.97	3	13		1.4	7	
19	1.25	7.23	1.28	0.64	7.71	0.96	2	14		1.5	7	
20	1.17	7.24	1.27	0.57	7.71	0.96	2	16		1.4	7	
21	1.23	7.24	1.26	0.65	7.71	0.95	2	15		1.6	8	
22	1.24	7.24	1.26	0.50	7.71	1.04	2	15		1.2	6	
23	1.11	7.24	1.37	0.68	7.71	1.13	2	6		1.6	8	
24	1.02	7.23	1.44	0.53	7.71	1.14	1	7		1.3	6	
25	1.12	7.22	1.41	0.49	7.70	1.12	1	8		1.2	6	
26	1.60	7.22	1.41	0.32	7.69	1.13	2	16		0.8	4	50
27	1.03	7.22	1.41	0.86	7.71	1.13	3	18		2.1	10	
28	2.12	7.21	1.41	0.86	7.71	1.12	3	12		2.1	10	
29	1.22	7.22	1.41	0.56	7.70	1.12	3	26		1.4	7	50
30	1.55	7.21	1.37	0.86	7.71	1.12	1	16	100	2.1	10	
Summary	37.98	7.23	1.24	18.46	7.71	0.82	60	418	300	44	197	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	104 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	616 gallons
NaF	Sodium fluoride	fluoridation		500 pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	28	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.81

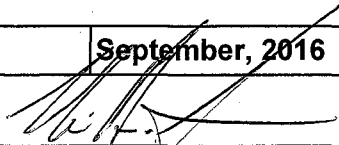
Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
bstarbuck@greataugustautilitydistrict.org			
Reporting period:	September, 2016		
Date:	October 7, 2016		
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	0.48	0.28	1.14	0.00	0.85	0.85	1.99
2	0.58	0.99	0.48	2.06	0.00	0.43	0.43	2.49
3	0.93	0.18	0.22	1.33	0.00	0.60	0.60	1.93
4	0.93	0.00	0.18	1.12	0.00	0.52	0.52	1.64
5	0.83	0.00	0.30	1.13	0.00	0.59	0.59	1.72
6	0.95	0.00	0.41	1.36	0.00	0.63	0.63	1.99
7	0.95	0.00	0.31	1.26	0.00	0.66	0.66	1.92
8	0.95	0.00	0.22	1.17	0.00	0.62	0.62	1.79
9	0.94	0.00	0.52	1.46	0.00	0.65	0.65	2.10
10	0.95	0.00	0.09	1.04	0.00	0.64	0.64	1.68
11	0.92	0.00	0.16	1.07	0.00	0.63	0.63	1.70
12	0.80	0.00	0.54	1.34	0.00	0.62	0.62	1.96
13	0.69	0.00	0.46	1.16	0.00	0.52	0.52	1.68
14	0.79	0.00	0.40	1.19	0.00	0.62	0.62	1.81
15	0.92	0.00	0.40	1.31	0.00	0.56	0.56	1.87
16	0.76	0.00	0.21	0.98	0.00	0.60	0.60	1.58
17	0.94	0.00	0.20	1.13	0.00	0.59	0.59	1.73
18	0.94	0.00	0.14	1.08	0.00	0.59	0.59	1.67
19	0.93	0.00	0.32	1.25	0.00	0.64	0.64	1.89
20	0.67	0.00	0.51	1.17	0.00	0.57	0.57	1.74
21	0.78	0.00	0.46	1.23	0.00	0.65	0.65	1.88
22	0.93	0.00	0.31	1.24	0.00	0.50	0.50	1.75
23	0.78	0.00	0.32	1.11	0.00	0.68	0.68	1.78
24	0.87	0.00	0.15	1.02	0.00	0.53	0.53	1.55
25	0.84	0.00	0.28	1.12	0.00	0.49	0.49	1.61
26	0.72	0.41	0.47	1.60	0.00	0.32	0.32	1.92
27	0.76	0.00	0.27	1.03	0.00	0.86	0.86	1.90
28	0.85	0.50	0.77	2.12	0.00	0.86	0.86	2.98
29	0.80	0.00	0.42	1.22	0.00	0.56	0.56	1.77
30	0.62	0.54	0.39	1.55	0.00	0.86	0.86	2.42
Sum	24.69	3.11	10.18	37.98	0.00	18.46	18.46	56.44

67% Triangle
33% Riverside

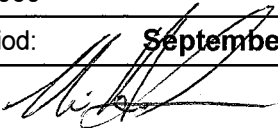
MGD
1.27

MGD MGD
0.62 1.88

Monthly Fluoride Report		System Information				
System Type - Fluoride Systems		Treatment plant: Triangle Station		Chemical Used: Sodium Fluoride		
System Name:	Greater Augusta Utility District					
PWSID#:	90080					
Reporting period:	September, 2016		Notes: See notes below for specific operating conditions.			
Signature:		10/7/2016	Date	GAUD mg/L	Location	HETL mg/L
			9/13/16 12:10 PM	0.64	Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.14	37	0.63	0.59
2	2.06	69	0.60	0.60
3	1.33	42	0.59	0.58
4	1.12	38	0.60	0.62
5	1.13	42	0.58	0.68
6	1.36	49	0.62	0.64
7	1.26	46	0.61	0.66
8	1.17	34	0.60	0.53
9	1.46	51	0.63	0.62
10	1.04	35	0.61	0.61
11	1.07	38	0.62	0.64
12	1.34	50	0.61	0.67
13	1.16	40	0.60	0.63
14	1.19	40	0.60	0.61
15	1.31	45	0.59	0.61
16	0.98	28	0.58	0.52
17	1.13	38	0.60	0.61
18	1.08	38	0.61	0.64
19	1.25	44	0.60	0.64
20	1.17	42	0.61	0.65
21	1.23	40	0.61	0.59
22	1.24	41	0.59	0.60
23	1.11	32	0.60	0.53
24	1.02	32	0.61	0.57
25	1.12	40	0.61	0.65
26	1.60	52	0.59	0.58
27	1.03	37	0.60	0.65
28	2.12	69	0.58	0.58
29	1.22	43	0.58	0.63
30	1.55	43	0.55	0.50
Avg	1.27	42.70	0.60	0.61
Min	0.98	28.34	0.55	0.50
Max	2.12	68.79	0.63	0.68
Total	37.98	1,280.90		

Operating comments

Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant: <u>Riverside Station</u>	
System Name:	<u>Greater Augusta Utility District</u>	Chemical Used: <u>Sodium Fluoride</u>	
PWSID#: 90080		Notes: See notes below for specific operating conditions.	
Reporting period:	<u>September, 2016</u>	Date	GAUD mg/L
Signature: 	10/7/2016	Location	HETL mg/L

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.85	33	0.75	0.70
2	0.43	16	0.70	0.67
3	0.60	21	0.70	0.63
4	0.52	19	0.71	0.66
5	0.59	21	0.84	0.65
6	0.63	20	0.67	0.57
7	0.66	24	0.70	0.66
8	0.62	23	0.71	0.67
9	0.65	23	0.71	0.64
10	0.64	23	0.69	0.65
11	0.63	22	0.69	0.63
12	0.62	22	0.69	0.64
13	0.52	19	0.69	0.66
14	0.62	22	0.69	0.64
15	0.56	18	0.70	0.58
16	0.60	22	0.68	0.66
17	0.59	21	0.68	0.64
18	0.59	21	0.68	0.64
19	0.64	23	0.68	0.65
20	0.57	20	0.67	0.63
21	0.65	23	0.67	0.64
22	0.50	18	0.68	0.64
23	0.68	24	0.68	0.64
24	0.53	20	0.65	0.68
25	0.49	17	0.64	0.63
26	0.32	9	0.65	0.50
27	0.86	31	0.66	0.65
28	0.86	31	0.67	0.65
29	0.56	18	0.68	0.58
30	0.86	30	0.68	0.62
Avg	0.62	21.80	0.69	0.64
Min	0.32	9.00	0.64	0.50
Max	0.86	33.00	0.84	0.70
Total	18.46	654.00		

Operating comments

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: September, 2016

Reporting date: 10/7/2016



Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
9/1/2016	155,400	1.93	1.7	
9/2/2016	88,400	1.77	1.0	
9/3/2016	83,500	1.67	0.9	
9/4/2016	128,200	1.63	1.4	
9/5/2016	74,600	1.57	0.8	
9/6/2016	94,300	1.58	1.1	
9/7/2016	165,000	1.57	1.9	
9/8/2016	100,000	1.57	1.1	
9/9/2016	160,400	1.54	1.9	
9/10/2016	80,500	1.54	0.9	
9/11/2016	76,600	1.54	0.9	
9/12/2016	145,500	1.54	1.6	
9/13/2016	92,300	1.57	1.1	
9/14/2016	94,300	1.62	1.1	
9/15/2016	147,400	1.48	1.8	
9/16/2016	83,700	1.46	1.0	
9/17/2016	75,400	1.51	0.9	
9/18/2016	74,200	1.47	0.9	
9/19/2016	158,900	1.52	1.9	
9/20/2016	98,800	1.54	1.2	
9/21/2016	153,200	1.53	1.8	
9/22/2016	86,700	1.52	1.0	
9/23/2016	99,400	1.50	1.2	
9/24/2016	64,900	1.62	0.7	
9/25/2016	64,100	1.57	0.7	
9/26/2016	71,200	1.54	0.8	
9/27/2016	33,100	1.48	0.3	
9/28/2016	98,000	1.72	1.3	
9/29/2016	73,300	1.67	0.9	
9/30/2016	73,800	1.69	0.9	
Sum	2,995,100		34.5	
Average	99,837	1.58	1.15	
Max		1.93		

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: **SEPT** Year: **2016**

Public Water System Information	
System's name:	East Pittston H2O
Sampler's phone #:	242-6252
PWSID#:	92255
Address:	1200 East Pittston Rd Pittston ME 04895
Sample Category (1):	Rect.
Sampler's name:	Bill Wilkinson

Laboratory Information	
Lab name:	Greater Augusta Utility District
Lab certification:	ME00012
Lab mgr. name:	June Mooney
Lab phone #:	207 623 4633 x4263

#	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	9/21/16 18:00	160926	9/22/16 9:20 am	0			9223B
2								
3								
4								

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

Sampler's Signature: **Bill Wilkinson**

Laboratory signature: **June 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



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

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

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

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

November 10, 2016

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, 2016.

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,

Brian Tarbuck, PE, System Class IV 2026

Bacteriological Report Form

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

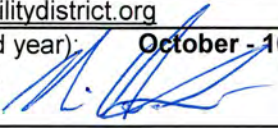
OCTOBER 2016

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

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


Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	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	bril. green		
1	WESTERN STA.	DIS	MOONEY	10-4-16/9:45	0.89	0.88	0.56	MOONEY	10-5-16/8:15	A	COLILERT					
2	TRIANGLE WELLHOUSE	DIS	MOONEY	10-4-16/10:10	1.25	1.23	0.55	MOONEY	10-5-16/8:15	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	10-4-16/10:30	0.89	0.89	0.57	MOONEY	10-5-16/8:15	A	COLILERT					
4	12 WILLIAMS ST.	DIS	MOONEY	10-4-16/10:55	0.47	0.47	0.64	MOONEY	10-5-16/8:15	A	COLILERT					
5	WILLOW ST. STA.	DIS	MOONEY	10-4-16/11:15	0.98	0.98	0.64	MOONEY	10-5-16/8:15	A	COLILERT					
6	TOGUS STA.	DIS	MOONEY	10-4-16/12:00	0.52	0.52	0.64	MOONEY	10-5-16/8:15	A	COLILERT					
7	HOSPITAL ST. STA.	DIS	MOONEY	10-4-16/11:35	0.69	0.69	0.65	MOONEY	10-5-16/8:15	A	COLILERT					
8	RIVERSIDE WELLHOUSE	DIS	MOONEY	10-4-16/12:50	1.13	1.15	0.66	MOONEY	10-5-16/8:15	A	COLILERT					
9	HOSPITAL ST. STA.	DIS	MOONEY	10-12-16/10:00	0.72	0.72	0.62	MOONEY	10-12-16/2:30	A	COLILERT					
10	RIVERSIDE WELLHOUSE	DIS	MOONEY	10-12-16/10:20	1.33	1.31	0.62	MOONEY	10-12-16/2:30	A	COLILERT					
11	12 WILLIAMS ST.	DIS	MOONEY	10-12-16/11:00	0.44	0.45	0.63	MOONEY	10-12-16/2:30	A	COLILERT					
12	NORTHWEST STA.	DIS	MOONEY	10-12-16/11:25	1.05	1.03	0.69	MOONEY	10-12-16/2:30	A	COLILERT					
13	TRIANGLE WELLHOUSE	DIS	MOONEY	10-12-16/11:45	1.18	1.17	0.66	MOONEY	10-12-16/2:30	A	COLILERT					
14	WESTERN STA.	DIS	MOONEY	10-12-16/12:15	0.90	0.86	0.63	MOONEY	10-12-16/2:30	A	COLILERT					
15	QUALITY INN	DIS	MOONEY	10-12-16/1:20	0.55	0.56	0.61	MOONEY	10-12-16/2:30	A	COLILERT					
16	MANCHESTER TOWN OFFICE	DIS	MOONEY	10-18-16/11:40	0.17	0.17	0.63	MOONEY	10-18-16/3:30	A	COLILERT					
17	WESTERN STA.	DIS	MOONEY	10-18-16/12:00	0.67	0.66	0.61	MOONEY	10-18-16/3:30	A	COLILERT					
18	TRIANGLE WELLHOUSE	DIS	MOONEY	10-18-16/12:30	1.31	1.30	0.73	MOONEY	10-18-16/3:30	A	COLILERT					
19	RIVERSIDE WELLHOUSE	DIS	MOONEY	10-18-16/1:30	1.24	1.23	0.60	MOONEY	10-18-16/3:30	A	COLILERT					
20	NORTHWEST STA.	DIS	MOONEY	10-19-16/10:10	0.81	0.83	0.68	MOONEY	10-19-16/1:30	A	COLILERT					
21	12 WILLIAMS ST.	DIS	MOONEY	10-19-16/11:15	0.64	0.62	0.58	MOONEY	10-19-16/1:30	A	COLILERT					
22	HOSPITAL ST. STA.	DIS	MOONEY	10-19-16/11:30	0.85	0.85	0.59	MOONEY	10-19-16/1:30	A	COLILERT					
23	WESTERN STA.	DIS	MOONEY	10-25-16/10:30	0.75	0.75	0.69	MOONEY	10-26-16/9:15	A	COLILERT					
24	TRIANGLE WELLHOUSE	DIS	MOONEY	10-25-16/11:00	1.17	1.16	0.74	MOONEY	10-26-16/9:15	A	COLILERT					
25	NORTHWEST STA.	DIS	MOONEY	10-25-16/11:40	1.02	1.00	0.74	MOONEY	10-26-16/9:15	A	COLILERT					
26	12 WILLIAMS ST.	DIS	MOONEY	10-25-16/12:50	0.46	0.47	0.60	MOONEY	10-26-16/9:15	A	COLILERT					
27	HOSPITAL ST. STA.	DIS	MOONEY	10-25-16/1:10	0.70	0.70	0.62	MOONEY	10-26-16/9:15	A	COLILERT					
28	RIVERSIDE WELLHOUSE	DIS	MOONEY	10-25-16/1:50	1.19	1.20	0.61	MOONEY	10-26-16/9:15	A	COLILERT					
*	DISTILLED WATER	QC	MOONEY	10-17-16/9:00	0.01	0.01		MOONEY	10-17-16/10:15							0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026	See 10/31 Triangle Calciquest level showing negative.	
	bstarbuck@greateraugustautilitydistrict.org	Troubleshooting the ultrasonic sensor that measures tank depth as data are somewhat erratic causing erroneous level change indications.	
Reporting period (month and year):	October - 16		
Date:	November 10, 2016		
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	1.13	7.22	1.42	0.68	7.71	1.11	2	14		1.6	8	
2	0.96	7.22	1.40	0.60	7.70	1.11	2	16		1.4	7	
3	1.35	7.22	1.40	0.50	7.71	1.09	1	10	0	1.2	6	
4	0.94	7.22	1.40	0.53	7.71	1.04	2	15	0	1.3	6	
5	1.08	7.22	1.40	0.50	7.70	1.06	2	11	0	1.2	6	
6	1.06	7.22	1.39	0.59	7.70	1.13	2	14	0	1.5	7	
7	1.13	7.22	1.41	0.53	7.71	1.17	2	8	100	1.3	6	50
8	1.09	7.22	1.42	0.51	7.71	1.19	2	10		1.2	6	
9	1.05	7.22	1.38	0.58	7.71	1.19	2	10		1.4	7	
10	0.96	7.22	1.36	0.38	7.70	0.99	0	13		0.9	4	
11	0.93	7.22	1.38	0.58	7.71	1.27	2	11	0	1.4	8	
12	1.04	7.22	1.36	0.54	7.71	1.21	2	11	0	1.3	7	
13	1.06	7.23	1.38	0.50	7.71	1.23	2	14	0	1.2	6	
14	1.46	7.22	1.31	0.55	7.71	1.05	2	12	0	1.3	7	
15	1.01	7.23	1.33	0.60	7.71	1.02	2	17		1.4	7	
16	0.94	7.23	1.39	0.56	7.71	1.10	2	12		1.2	6	
17	1.10	7.24	1.37	0.59	7.72	1.03	3	11	100	1.3	6	
18	0.88	7.22	1.39	0.56	7.72	1.09	2	13	0	1.2	6	
19	1.07	7.22	1.34	0.59	7.72	1.08	1	10	0	1.3	7	
20	1.04	7.23	1.40	0.31	7.71	1.05	1	13	0	0.7	3	
21	1.07	7.23	1.38	0.63	7.71	1.07	3	13	0	1.4	7	50
22	0.91	7.23	1.37	0.57	7.72	1.06	3	9		1.3	6	
23	0.93	7.22	1.39	0.48	7.71	1.05	-1	10		1.1	5	
24	1.02	7.21	1.41	0.53	7.71	1.07	1	10	0	1.2	6	
25	1.05	7.22	1.34	0.53	7.71	1.08	2	12	0	1.2	6	
26	1.20	7.22	1.37	0.56	7.71	1.07	3	14	0	1.3	6	
27	0.93	7.22	1.39	0.49	7.71	1.08	3	8	0	1.1	6	
28	0.95	7.22	1.44	0.57	7.72	1.07	2	11	100	1.3	7	
29	0.84	7.22	1.42	0.46	7.71	1.07	3	11		1.0	5	
30	1.01	7.23	1.39	0.44	7.72	1.05	0	10		1.0	5	
31	1.22	7.08	1.30	0.56	7.72	1.06	-7	10	0	1.2	6	
Summary	32.42	7.22	1.30	16.61	7.71	0.99	45	363	300	38	193	100
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used (fluoride reported separately)				
	Chemical Name	Purpose	Chemical Strength	Total Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	84 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	556 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:	0.81

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period:	October, 2016		
Date:	November 10, 2016		
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	0.77	0.13	0.23	1.13	0.00	0.68	0.68	1.82
2	0.82	0.00	0.14	0.96	0.00	0.60	0.60	1.56
3	0.80	0.18	0.37	1.35	0.00	0.50	0.50	1.85
4	0.70	0.00	0.24	0.94	0.00	0.53	0.53	1.47
5	0.91	0.00	0.17	1.08	0.00	0.50	0.50	1.59
6	0.92	0.00	0.13	1.06	0.00	0.59	0.59	1.65
7	0.87	0.00	0.26	1.13	0.00	0.53	0.53	1.66
8	0.90	0.00	0.18	1.09	0.00	0.51	0.51	1.60
9	0.62	0.14	0.29	1.05	0.00	0.58	0.58	1.63
10	0.65	0.00	0.31	0.96	0.00	0.38	0.38	1.34
11	0.75	0.00	0.19	0.93	0.00	0.58	0.58	1.52
12	0.91	0.13	0.00	1.04	0.00	0.54	0.54	1.58
13	0.92	0.00	0.14	1.06	0.00	0.50	0.50	1.56
14	0.87	0.40	0.19	1.46	0.00	0.55	0.55	2.01
15	0.19	0.81	0.00	1.01	0.00	0.60	0.60	1.61
16	0.16	0.78	0.00	0.94	0.00	0.56	0.56	1.50
17	0.37	0.73	0.00	1.10	0.00	0.59	0.59	1.69
18	0.00	0.41	0.47	0.88	0.00	0.56	0.56	1.44
19	0.39	0.63	0.05	1.07	0.00	0.59	0.59	1.66
20	0.24	0.80	0.00	1.04	0.00	0.31	0.31	1.35
21	0.30	0.77	0.00	1.07	0.00	0.63	0.63	1.70
22	0.12	0.79	0.00	0.91	0.00	0.57	0.57	1.48
23	0.06	0.88	0.00	0.93	0.00	0.48	0.48	1.41
24	0.00	1.02	0.00	1.02	0.00	0.53	0.53	1.55
25	0.28	0.77	0.00	1.05	0.00	0.53	0.53	1.58
26	0.30	0.90	0.00	1.20	0.00	0.56	0.56	1.76
27	0.11	0.82	0.00	0.93	0.00	0.49	0.49	1.42
28	0.00	0.95	0.00	0.95	0.00	0.57	0.57	1.52
29	0.00	0.84	0.00	0.84	0.00	0.46	0.46	1.30
30	0.11	0.90	0.00	1.01	0.00	0.44	0.44	1.45
31	0.41	0.81	0.00	1.22	0.00	0.56	0.56	1.78
Sum	14.46	14.59	3.37	32.42	0.00	16.61	16.61	49.03

66% Triangle	<u>MGD</u>	<u>MGD</u>	<u>MGD</u>
34% Riverside	1.05	0.54	1.58

Monthly Fluoride Report
System Type - Fluoride Systems

System Information

System Name: **Greater Augusta Utility District**

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

PWSID#: 90080

Reporting period: **October, 2016**

Notes: See notes below for specific operating conditions.

Signature:  11/10/2016

Date	GAUD mg/L	Location	HETL mg/L
10/12/16 11:45 AM	0.66	Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.13	37	0.55	0.59
2	0.96	29	0.53	0.55
3	1.35	52	0.55	0.69
4	0.94	37	0.55	0.72
5	1.08	38	0.55	0.64
6	1.06	40	0.57	0.69
7	1.13	40	0.63	0.64
8	1.09	44	0.68	0.72
9	1.05	47	0.66	0.80
10	0.96	48	0.68	0.89
11	0.93	38	0.68	0.74
12	1.04	49	0.66	0.84
13	1.06	49	0.67	0.83
14	1.46	66	0.66	0.81
15	1.01	51	0.71	0.90
16	0.94	47	0.71	0.89
17	1.10	42	0.75	0.69
18	0.88	46	0.73	0.95
19	1.07	52	0.70	0.87
20	1.04	50	0.75	0.87
21	1.07	53	0.73	0.88
22	0.91	42	0.74	0.84
23	0.93	48	0.73	0.92
24	1.02	56	0.73	0.98
25	1.05	57	0.70	0.99
26	1.20	59	0.69	0.88
27	0.93	49	0.70	0.96
28	0.95	49	0.71	0.94
29	0.84	47	0.77	1.01
30	1.01	24	0.27	0.43
31	1.22	50	0.35	0.74
Avg	1.05	46.36	0.65	0.80
Min	0.84	24.11	0.27	0.43
Max	1.46	65.76	0.77	1.01
Total	32.42	1,437.08		

Operating comments

Flow readings in this period are causing the theoretical calculation to be distorted. We are troubleshooting the flow meter and SCADA accumulator to see if there is a mechanical or digital failure.

There was a problem feeding fluoride due to a chemical injection quill issue in this period.

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **October, 2016**

Signature:  11/10/2016

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
10/12/2016 10:20	0.62	Riverside Wellhouse	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.68	25	0.67	0.66
2	0.60	21	0.68	0.63
3	0.50	18	0.70	0.65
4	0.53	19	0.69	0.64
5	0.50	18	0.66	0.64
6	0.59	20	1.07	0.61
7	0.53	16	2.00	0.54
8	0.51	19	1.08	0.67
9	0.58	20	0.62	0.62
10	0.38	14	0.64	0.67
11	0.58	20	0.65	0.62
12	0.54	19	0.65	0.63
13	0.50	17	0.64	0.61
14	0.55	19	0.63	0.62
15	0.60	21	0.63	0.63
16	0.56	19	0.63	0.61
17	0.59	21	0.62	0.64
18	0.56	20	0.62	0.64
19	0.59	21	0.62	0.65
20	0.31	11	0.62	0.65
21	0.63	19	0.60	0.54
22	0.57	19	0.60	0.60
23	0.48	17	0.62	0.64
24	0.53	18	0.64	0.61
25	0.53	18	0.64	0.61
26	0.56	20	0.66	0.65
27	0.49	18	0.65	0.67
28	0.57	19	0.63	0.60
29	0.46	16	0.62	0.63
30	0.44	16	0.62	0.65
31	0.56	19	0.60	0.61
Avg	0.54	18.61	0.71	0.63
Min	0.31	11.00	0.60	0.54
Max	0.68	25.00	2.00	0.67
Total	16.61	577.00		

Operating comments

Hach CA610 analyzer was undergoing routine maintenance which results in data which are meaningless for this period. Use theoretical calculation for compliance for this period.

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: October, 2016

Reporting date: 11/10/2016



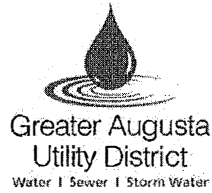
Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
10/1/2016	63,700	1.53	0.8	
10/2/2016	0	-	-	no consumption
10/3/2016	81,100	1.54	1.0	
10/4/2016	78,200	1.54	0.9	
10/5/2016	72,700	1.49	0.8	
10/6/2016	75,600	1.55	1.0	
10/7/2016	69,800	1.89	0.9	
10/8/2016	0	-	-	no consumption
10/9/2016	61,900	1.79	0.8	
10/10/2016	64,400	1.67	0.8	
10/11/2016	0	-	-	no consumption
10/12/2016	111,500	1.80	1.4	
10/13/2016	74,900	1.71	1.0	
10/14/2016	73,100	1.61	0.8	
10/15/2016	0	-	-	no consumption
10/16/2016	61,200	1.79	0.7	
10/17/2016	75,600	1.69	0.9	
10/18/2016	77,300	1.61	0.9	
10/19/2016	77,600	1.69	0.9	
10/20/2016	74,600	1.73	0.8	
10/21/2016	72,500	1.66	0.8	
10/22/2016	62,400	1.73	0.7	
10/23/2016	0	-	-	no consumption
10/24/2016	79,400	1.69	0.9	
10/25/2016	72,300	1.71	0.8	
10/26/2016	67,900	1.80	0.7	
10/27/2016	64,700	1.78	0.7	
10/28/2016	61,900	1.74	0.7	
10/29/2016	0	-	-	no consumption
10/30/2016	63,300	1.59	0.7	
10/31/2016	66,800	1.63	0.6	
Sum	1,804,400		20.8	
Average	58,206	1.4	0.7	
Max		1.9		

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



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

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

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

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

December 9, 2016

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, 2016.

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.

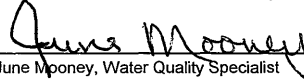
Brian Tarbuck, PE, System Class IV 2026

Bacteriological Report Form
Utility: Greater Augusta Utility District, PWSID ME0090080
Greater Augusta Utility District Laboratory, ME00012

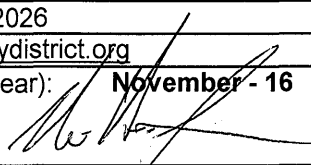
NOVEMBER 2016

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

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 ₂	Total Cl ₂	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 hrs
1	WESTERN STA.	DIS	MOONEY	11-1-16/8:50	0.56	0.56	0.63	MOONEY	11-1-16/2:20	A	COLILERT					
2	TRIANGLE WELLHOUSE	DIS	MOONEY	11-1-16/9:50	1.12	1.11	0.71	MOONEY	11-1-16/2:20	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	11-1-16/10:15	0.83	0.83	0.56	MOONEY	11-1-16/2:20	A	COLILERT					
4	RIVERSIDE WELLHOUSE	DIS	MOONEY	11-1-16/10:40	1.15	1.17	0.58	MOONEY	11-1-16/2:20	A	COLILERT					
5	HOSPITAL ST. STA.	DIS	MOONEY	11-1-16/11:45	0.68	0.67	0.60	MOONEY	11-1-16/2:20	A	COLILERT					
6	12 WILLIAMS ST.	DIS	MOONEY	11-1-16/12:10	0.46	0.47	0.57	MOONEY	11-1-16/2:20	A	COLILERT					
7	WILLOW ST. STA.	DIS	MOONEY	1-1-16/12:30	0.94	0.93	0.57	MOONEY	11-1-16/2:20	A	COLILERT					
8	RIVERSIDE WELLHOUSE	DIS	MOONEY	11-7-16/9:40	1.10	1.10	0.60	MOONEY	11-7-16/2:30	A	COLILERT					
9	TOGUS STA.	DIS	MOONEY	11-7-16/10:40	0.49	0.49	0.61	MOONEY	11-7-16/2:30	A	COLILERT					
10	HOSPITAL ST. STA.	DIS	MOONEY	1-7-16/11:10	0.74	0.73	0.61	MOONEY	11-7-16/2:30	A	COLILERT					
11	12 WILLIAMS ST.	DIS	MOONEY	11-7-16/11:30	0.40	0.40	0.60	MOONEY	11-7-16/2:30	A	COLILERT					
12	NORTHWEST STA.	DIS	MOONEY	11-7-16/11:50	1.06	1.05	0.63	MOONEY	11-7-16/2:30	A	COLILERT					
13	TRIANGLE WELLHOUSE	DIS	MOONEY	11-7-16/12:05	1.19	1.17	0.62	MOONEY	11-7-16/2:30	A	COLILERT					
14	WESTERN STA.	DIS	MOONEY	11-7-16/12:35	0.67	0.67	0.62	MOONEY	11-7-16/2:30	A	COLILERT					
15	QUALITY INN	DIS	MOONEY	11-7-16/12:55	0.51	0.52	0.63	MOONEY	11-7-16/2:30	A	COLILERT					
16	WESTERN STA.	DIS	MOONEY	11-16-16/11:25	0.89	0.89	0.64	MOONEY	11-16-16/2:30	A	COLILERT					
17	TRIANGLE WELLHOUSE	DIS	MOONEY	11-16-16/11:40	1.21	1.21	0.73	MOONEY	11-16-16/2:30	A	COLILERT					
18	NORTHWEST STA.	DIS	MOONEY	11-16-16/12:05	1.02	1.02	0.74	MOONEY	11-16-16/2:30	A	COLILERT					
19	RIVERSIDE WELLHOUSE	DIS	MOONEY	11-16-16/12:30	1.41	1.41	0.57	MOONEY	11-16-16/2:30	A	COLILERT					
20	WESTERN STA.	DIS	MOONEY	11-21-16/9:50	0.78	0.77	0.72	MOONEY	11-22-16/8:15	A	COLILERT					
21	MANCHESTER TOWN OFFICE	DIS	MOONEY	11-21-16/10:10	0.11	0.12	0.68	MOONEY	11-22-16/8:15	A	COLILERT					
22	TRIANGLE WELLHOUSE	DIS	MOONEY	11-21-16/10:35	1.30	1.28	0.74	MOONEY	11-22-16/8:15	A	COLILERT					
23	NORTHWEST STA.	DIS	MOONEY	11-21-16/11:00	1.10	1.10	0.72	MOONEY	11-22-16/8:15	A	COLILERT					
24	RIVERSIDE WELLHOUSE	DIS	MOONEY	11-21-16/11:30	1.50	1.49	0.63	MOONEY	11-22-16/8:15	A	COLILERT					
25	12 WILLIAMS ST.	DIS	MOONEY	11-21-16/12:10	0.68	0.69	0.58	MOONEY	11-22-16/8:15	A	COLILERT					
26	HOSPITAL ST. STA.	DIS	MOONEY	11-21-16/12:25	0.98	0.98	0.59	MOONEY	11-22-16/8:15	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	11-16-16/8:00	0.01	0.01		MOONEY	11-16-16/10:00							0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name: Greater Augusta Utility District		Community water system	
PWSID#: 90080		List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026	From about 11/1 to 11/16 polyorthophosphate tank level data was reported unreliably to SCADA system due to a failing analog input card on the PLC. The data from 11/17 forward was reliably recorded and acceptable for reporting.	
btarbuck@greateraugustautilitydistrict.org			
Reporting period (month and year): November - 16			
Date: December 9, 2016			
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	1.00	7.22	1.32	0.58	7.72	1.05		11	0	1.3	7	
2	1.04	7.23	1.33	0.46	7.71	0.98		13	0	1.0	5	50
3	0.88	7.22	1.38	0.63	7.72	1.06		11	0	1.4	7	
4	1.15	7.22	1.39	0.48	7.72	0.99		12	0	1.1	5	
5	0.85	7.22	1.41	0.52	7.72	1.05		8		1.2	6	
6	0.82	7.22	1.44	0.51	7.72	1.03		11		1.2	6	
7	0.99	7.23	1.37	0.50	7.72	1.04		6	100	1.1	6	
8	1.22	7.23	1.34	0.55	7.72	1.03		11	0	1.2	6	
9	0.96	7.23	1.35	0.52	7.72	1.03		15	0	1.2	6	
10	1.02	7.23	1.34	0.52	7.72	1.03		11	0	1.2	6	
11	0.91	7.22	1.33	0.55	7.72	1.03		13		1.2	6	
12	0.84	7.21	1.36	0.47	7.72	1.02		9		1.1	5	
13	0.90	7.22	1.36	0.41	7.71	0.99		12		0.9	4	
14	1.13	7.22	1.35	0.61	7.72	1.06		8	0	1.4	7	50
15	1.10	7.22	1.29	0.52	7.72	1.19		15	100	1.2	7	
16	0.93	7.22	1.20	0.51	7.72	1.30		10	0	1.2	7	
17	1.18	7.23	1.18	0.59	7.73	1.33	1	7	0	1.3	8	
18	0.83	7.22	1.23	0.55	7.72	1.30	2	12	0	1.2	7	
19	0.90	7.22	1.21	0.54	7.72	1.29	2	10		1.2	7	
20	0.94	7.23	1.15	0.50	7.72	1.20	1	10		1.1	6	
21	1.34	7.23	1.15	0.52	7.72	1.22	2	11	0	1.1	7	50
22	0.92	7.23	1.12	0.57	7.72	1.21	3	15	0	1.2	7	
23	0.74	7.26	1.04	0.44	7.72	1.22	2	10	50	1.0	6	
24	0.96	7.24	1.07	0.57	7.72	1.22	2	8		1.3	7	
25	0.90	7.24	1.05	0.45	7.73	1.20	1	11		1.0	6	
26	0.95	7.24	1.06	0.47	7.73	1.21	2	10		1.0	6	
27	0.69	7.23	1.08	0.49	7.73	1.21	2	11		1.1	6	
28	0.96	7.22	1.07	0.50	7.72	1.21	1	9	0	1.1	6	
29	1.09	7.22	1.07	0.54	7.72	1.03	2	13		1.2	6	
30	1.09	7.22	1.06	0.58	7.72	1.05	2	12	100	1.3	7	50
Summary	29.24	7.23	1.04	15.68	7.72	0.98	25	327	350	35	187	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	60 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	514 gallons
NaF	Sodium fluoride	fluoridation		550 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:	0.88

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org			
Reporting period:	November, 2016		
Date:	December 9, 2016		
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	0.37	0.63	0.00	1.00	0.00	0.58	0.58	1.58
2	0.34	0.70	0.00	1.04	0.00	0.46	0.46	1.50
3	0.12	0.77	0.00	0.88	0.00	0.63	0.63	1.51
4	0.28	0.87	0.00	1.15	0.00	0.48	0.48	1.62
5	0.18	0.67	0.00	0.85	0.00	0.52	0.52	1.37
6	0.14	0.69	0.00	0.82	0.00	0.51	0.51	1.34
7	0.37	0.63	0.00	0.99	0.00	0.50	0.50	1.50
8	0.49	0.73	0.00	1.22	0.00	0.55	0.55	1.77
9	0.34	0.62	0.00	0.96	0.00	0.52	0.52	1.48
10	0.37	0.64	0.00	1.02	0.00	0.52	0.52	1.54
11	0.25	0.66	0.00	0.91	0.00	0.55	0.55	1.46
12	0.00	0.84	0.00	0.84	0.00	0.47	0.47	1.31
13	0.17	0.73	0.00	0.90	0.00	0.41	0.41	1.32
14	0.26	0.87	0.00	1.13	0.00	0.61	0.61	1.75
15	0.24	0.86	0.00	1.10	0.00	0.52	0.52	1.63
16	0.00	0.93	0.00	0.93	0.00	0.51	0.51	1.44
17	0.37	0.81	0.00	1.18	0.00	0.59	0.59	1.77
18	0.00	0.83	0.00	0.83	0.00	0.55	0.55	1.38
19	0.00	0.90	0.00	0.90	0.00	0.54	0.54	1.44
20	0.17	0.77	0.00	0.94	0.00	0.50	0.50	1.44
21	0.37	0.97	0.00	1.34	0.00	0.52	0.52	1.87
22	0.35	0.54	0.03	0.92	0.00	0.57	0.57	1.48
23	0.67	0.07	0.00	0.74	0.00	0.44	0.44	1.18
24	0.80	0.16	0.00	0.96	0.00	0.57	0.57	1.53
25	0.49	0.41	0.00	0.90	0.00	0.45	0.45	1.35
26	0.69	0.26	0.00	0.95	0.00	0.47	0.47	1.42
27	0.62	0.07	0.00	0.69	0.00	0.49	0.49	1.18
28	0.62	0.34	0.00	0.96	0.00	0.50	0.50	1.46
29	0.61	0.48	0.00	1.09	0.00	0.54	0.54	1.63
30	0.74	0.35	0.00	1.09	0.00	0.58	0.58	1.67
Sum	10.42	18.79	0.03	29.24	0.00	15.68	15.68	44.92

65% Triangle	MGD	MGD	MGD
35% Riverside	0.97	0.52	1.50

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **November, 2016**

Signature: _____ 12/9/2016

System Information

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

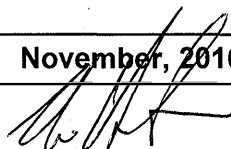
Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
11/7/16 9:40 AM	0.60	Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.00	89	0.68	1.60
2	1.04	82	0.70	1.41
3	0.88	77	0.72	1.56
4	1.15	81	0.70	1.27
5	0.85	101	0.69	2.13
6	0.82	98	0.69	2.15
7	0.99	126	0.69	2.27
8	1.22	131	0.69	1.93
9	0.96	131	0.70	2.45
10	1.02	129	0.69	2.28
11	0.91	134	0.70	2.64
12	0.84	174	0.71	3.73
13	0.90	165	0.70	3.29
14	1.13	168	0.69	2.67
15	1.10	98	0.70	1.59
16	0.93	41	0.73	0.79
17	1.18	50	0.71	0.76
18	0.83	37	0.73	0.81
19	0.90	38	0.73	0.77
20	0.94	41	0.73	0.80
21	1.34	54	0.72	0.72
22	0.92	38	0.71	0.76
23	0.74	31	0.71	0.76
24	0.96	39	0.68	0.74
25	0.90	38	0.67	0.77
26	0.95	42	0.65	0.80
27	0.69	29	0.65	0.77
28	0.96	40	0.64	0.76
29	1.09	46	0.66	0.75
30	1.09	40	0.67	0.67
Avg	0.97	79.60	0.69	1.48
Min	0.69	29.39	0.64	0.67
Max	1.34	174.09	0.73	3.73
Total	29.24	2,388.10		

Operating comments

An analog card in the programmable logic controller provided unreliable information during this period and was not used for reporting.

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: Riverside Station			
System Name:	Greater Augusta Utility District	Chemical Used: Sodium Fluoride			
PWSID#: 90080		Notes: See notes below for specific operating conditions.			
Reporting period:	November, 2016				
Signature:	 12/9/2016	Date	GAUD mg/L	Location	HETL mg/L
		11/7/2016 9:40	0.6	Riverside wellhouse	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.58	21	0.61	0.65
2	0.46	13	0.61	0.51
3	0.63	21	0.63	0.60
4	0.48	17	0.63	0.64
5	0.52	19	0.64	0.66
6	0.51	17	0.64	0.60
7	0.50	18	0.63	0.64
8	0.55	19	0.62	0.62
9	0.52	19	0.63	0.65
10	0.52	18	0.63	0.62
11	0.55	19	0.63	0.62
12	0.47	17	0.62	0.65
13	0.41	14	0.61	0.61
14	0.61	18	0.60	0.53
15	0.52	13	0.46	0.45
16	0.51	18	0.63	0.63
17	0.59	20	0.63	0.61
18	0.55	19	0.63	0.62
19	0.54	19	0.61	0.63
20	0.50	17	0.60	0.61
21	0.52	10	0.46	0.34
22	0.57	6	0.28	0.19
23	0.44	15	0.60	0.61
24	0.57	20	0.64	0.63
25	0.45	15	0.64	0.60
26	0.47	16	0.62	0.62
27	0.49	13	0.53	0.47
28	0.50	11	0.47	0.39
29	0.54	6	0.25	0.20
30	0.58	4	0.26	0.12
Avg	0.52	15.73	0.57	0.54
Min	0.41	4.00	0.25	0.12
Max	0.63	21.00	0.64	0.66
Total	15.68	472.00		

Operating comments

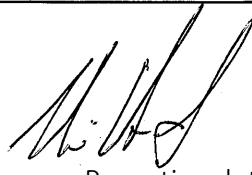
Inconsistent fluoridation due to issues with chemical feed pump. Intermittent problem was difficult to troubleshoot.

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: November, 2016



Reporting date: 12/9/2016

Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
11/1/2016	66,800	1.64	0.7	
11/2/2016	64,600	1.65	0.7	
11/3/2016	65,100	1.73	0.7	
11/4/2016	64,100	1.58	0.7	
11/5/2016	0	-	-	no consumption
11/6/2016	64,800	1.59	0.7	
11/7/2016	69,200	1.60	0.7	
11/8/2016	73,200	1.57	0.8	
11/9/2016	72,300	1.70	0.8	
11/10/2016	67,800	1.59	0.7	
11/11/2016	0	-	-	no consumption
11/12/2016	64,800	1.58	0.6	
11/13/2016	61,800	1.53	0.6	
11/14/2016	84,500	1.62	0.9	
11/15/2016	71,100	1.49	0.6	
11/16/2016	83,400	1.55	0.8	
11/17/2016	47,100	1.52	0.4	
11/18/2016	111,400	1.58	1.2	
11/19/2016	63,500	1.56	0.7	
11/20/2016	0	-	-	no consumption
11/21/2016	74,000	1.57	0.8	
11/22/2016	53,300	1.59	0.5	
11/23/2016	56,600	1.68	0.6	
11/24/2016	60,200	1.65	0.6	
11/25/2016	65,400	1.67	0.7	
11/26/2016	0	-	-	no consumption
11/27/2016	61,600	1.63	0.6	
11/28/2016	65,600	1.67	0.6	
11/29/2016	62,800	1.65	0.7	
11/30/2016	62,000	1.60	0.6	
Sum	1,757,000		18.0	
Average	58,567	1.4	0.6	
Max	111,400	1.7		

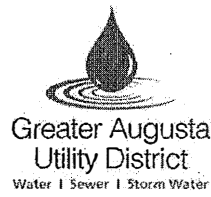
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

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



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

Cecil Munson
cmunson@greateraugustautilitydistrict.org

Pat Paradis
pparadis@greateraugustautilitydistrict.org

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

Bradley Sawyer
bsawyer@greateraugustautilitydistrict.org

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

January 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 December, 2016.

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;
6. Togus disinfection station report;
7. Orthophosphate dosage; and
8. Total Coliform sample, East Pittston Water District, PWSID: 92255

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

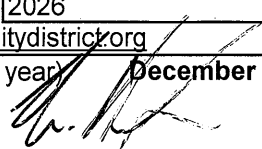
DECEMBER 2016

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

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

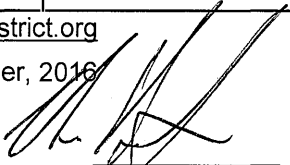
Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Colifom	Method	Lauryl Tryptose				
										Present/Absent	MF/COLILERT	24 hr	48 hr	bril. green	EC 44.5c	HPC 48 hrs
1	12 WILLIAMS ST.	DIS	MOONEY	12-6-16/8:45	0.71	0.72	0.64	MOONEY	12-7-16/8:15	A	COLILERT					
2	RIVERSIDE WELLHOUSE	DIS	MOONEY	12-6-16/9:10	1.27	1.27	0.92	MOONEY	12-7-16/8:15	A	COLILERT					
3	TOGUS INLET	DIS	MOONEY	12-6-16/10:00	0.72	0.72	0.52	MOONEY	12-7-16/8:15	A	COLILERT					
4	HOSPITAL ST. STA.	DIS	MOONEY	12-6-16/10:20	1.04	1.04	0.74	MOONEY	12-7-16/8:15	A	COLILERT					
5	WILLOW ST. STA.	DIS	MOONEY	12-6-16/10:40	0.81	0.81	0.73	MOONEY	12-7-16/8:15	A	COLILERT					
6	NORTHWEST STA.	DIS	MOONEY	12-6-16/11:00	0.91	0.90	0.64	MOONEY	12-7-16/8:15	A	COLILERT					
7	TRIANGLE WELLHOUSE	DIS	MOONEY	12-6-16/11:20	1.19	1.18	0.70	MOONEY	12-7-16/8:15	A	COLILERT					
8	WESTERN STA.	DIS	MOONEY	12-6-16/11:40	0.74	0.75	0.65	MOONEY	12-7-16/8:15	A	COLILERT					
9	TRIANGLE WELLHOUSE	DIS	MOONEY	12-13-16/8:10	1.21	1.20	0.65	MOONEY	12-13-16/12:00	A	COLILERT					
10	NORTHWEST STA.	DIS	MOONEY	12-13-16/8:40	1.12	1.10	0.65	MOONEY	12-13-16/12:00	A	COLILERT					
11	12 WILLIAMS ST.	DIS	MOONEY	12-13-16/9:00	0.73	0.73	0.61	MOONEY	12-13-16/12:00	A	COLILERT					
12	RIVERSIDE WELLHOUSE	DIS	MOONEY	12-13-16/10:00	1.09	1.09	0.65	MOONEY	12-13-16/12:00	A	COLILERT					
13	HOSPITAL ST. STA.	DIS	MOONEY	12-14-16/11:10	0.80	0.81	0.59	MOONEY	12-14-16/2:15	A	COLILERT					
14	WESTERN STA.	DIS	MOONEY	12-14-16/12:10	0.76	0.76	0.68	MOONEY	12-14-16/2:15	A	COLILERT					
15	WESTERN STA.	DIS	MOONEY	12-20-16/9:35	0.87	0.89	0.70	MOONEY	12-20-16/2:30	A	COLILERT					
16	TRIANGLE WELLHOUSE	DIS	MOONEY	12-20-16/10:05	1.28	1.27	0.71	MOONEY	12-20-16/2:30	A	COLILERT					
17	NORTHWEST STA.	DIS	MOONEY	12-20-16/10:35	1.13	1.13	0.73	MOONEY	12-20-16/2:30	A	COLILERT					
18	12 WILLIAMS ST.	DIS	MOONEY	12-20-16/11:00	0.67	0.66	0.62	MOONEY	12-20-16/2:30	A	COLILERT					
19	HOSPITAL ST. STA.	DIS	MOONEY	12-20-16/11:15	0.94	0.94	0.64	MOONEY	12-20-16/2:30	A	COLILERT					
20	RIVERSIDE WELLHOUSE	DIS	MOONEY	12-20-16/12:00	1.08	1.09	0.72	MOONEY	12-20-16/2:30	A	COLILERT					
21	QUALITY INN	DIS	MOONEY	12-20-16/1:10	0.73	0.74	0.68	MOONEY	12-20-16/2:30	A	COLILERT					
22	WESTERN STA.	DIS	MOONEY	12-28-16/9:20	0.82	0.83	0.70	MOONEY	12-28-16/2:00	A	COLILERT					
23	MANCHESTER TOWN OFFICE	DIS	MOONEY	12-28-16/9:40	0.32	0.33	0.69	MOONEY	12-28-16/2:00	A	COLILERT					
24	TRIANGLE WELLHOUSE	DIS	MOONEY	12-28-16/10:05	1.19	1.18	0.66	MOONEY	12-28-16/2:00	A	COLILERT					
25	NORTHWEST STA.	DIS	MOONEY	12-28-16/10:25	0.99	0.98	0.67	MOONEY	12-28-16/2:00	A	COLILERT					
26	12 WILLIAMS ST.	DIS	MOONEY	12-28-16/10:55	0.70	0.70	0.30	MOONEY	12-28-16/2:00	A	COLILERT					
27	HOSPITAL ST. STA.	DIS	MOONEY	12-28-16/11:15	0.83	0.83	0.40	MOONEY	12-28-16/2:00	A	COLILERT					
28	RIVERSIDE WELLHOUSE	DIS	MOONEY	12-28-16/12:05	1.11	1.12	0.43	MOONEY	12-28-16/2:00	A	COLILERT					
*	DISTILLED WATER	QC	MOONEY	12-27-16/8:00	0.01	0.01		MOONEY	12-27-16/10:00							0:4ml

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle & Riverside	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026	Note 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): December - 16			
Date:	January 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	0.77	7.21	1.06	0.60	7.73	1.19	2	9	50	1	7	
2	1.01	7.22	1.06	0.49	7.73	1.17	2	9		1	6	
3	0.77	7.22	1.06	0.42	7.72	1.14		12		1	5	
4	0.90	7.22	1.06	0.60	7.73	1.19		9		1	7	
5	1.19	7.26	1.03	0.51	7.73	1.21	5	11		1	6	
6	1.02	7.30	1.04	0.56	7.72	1.10	2	13		1	6	
7	1.04	7.25	1.09	0.70	7.72	1.09	2	12		2	7	
8	0.93	7.22	1.05	0.36	7.72	1.00	2	12		1	3	
9	0.87	7.22	1.21	0.60	7.73	1.12	2	12	50	1	6	
10	0.82	7.22	1.29	0.53	7.73	1.27		11		1	7	
11	0.93	7.22	1.31	0.47	7.73	1.33		13		1	6	
12	0.89	7.21	1.34	0.54	7.73	1.20	5	14		1	6	
13	1.06	7.21	1.31	0.52	7.73	1.07	2	13		1	5	
14	1.07	7.21	1.31	0.53	7.72	1.08	1	14		1	5	
15	0.97	7.18	1.24	0.59	7.72	1.06		14		1	6	
16	0.90	7.12	1.32	0.63	7.72	1.06		5		1	6	
17	0.90	7.15	1.33	0.56	7.71	1.07		6		1	6	
18	0.92	7.13	1.33	0.54	7.71	1.04		7		1	5	
19	0.93	7.11	1.35	0.66	7.71	1.09	4	13	100	1	7	
20	1.20	7.14	1.36	0.64	7.71	1.08	2	14		1	6	
21	1.02	7.13	1.33	0.59	7.71	1.01	2	15		1	5	
22	0.87	7.14	1.35	0.64	7.71	1.06	-1	14		1	6	
23	1.03	7.14	1.35	0.55	7.71	1.05	2	11	50	1	5	
24	0.85	6.90	1.30	0.57	7.72	1.19		14		1	6	
25	0.86	7.13	1.34	0.52	7.72	1.22		11		1	6	
26	0.99	7.13	1.32	0.52	7.72	1.10		12		1	5	
27	1.05	7.13	1.33	0.56	7.72	1.09	4	13		1	6	400
28	0.95	6.98	1.33	0.53	7.71	1.14	-1	13		1	6	
29	1.00	7.13	1.31	0.53	7.72	1.15	7	14		1	6	
30	0.82	7.13	1.37	0.47	7.72	1.16	2	10	100	1	5	
31	0.93	7.14	1.43	0.51	7.71	1.13		7		1	5	
Summary	29.47	7.16	1.03	17.04	7.72	1.00	45	356	350	37	183	400
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

Chemicals Used (fluoride reported separately)				
	Chemical Name	Purpose	Chemical Strength	Total Units
Calc	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	82 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	539 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:	0.92

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greateraugustautilitydistrict.org			
Reporting period:	December, 2016		
Date:	January 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	0.65	0.12	0.00	0.77	0.00	0.60	0.60	1.37
2	0.79	0.22	0.00	1.01	0.00	0.49	0.49	1.50
3	0.64	0.12	0.00	0.77	0.00	0.42	0.42	1.19
4	0.90	0.00	0.00	0.90	0.00	0.60	0.60	1.50
5	0.39	0.33	0.47	1.19	0.00	0.51	0.51	1.70
6	0.36	0.00	0.65	1.02	0.00	0.56	0.56	1.58
7	0.43	0.47	0.14	1.04	0.00	0.70	0.70	1.74
8	0.63	0.30	0.00	0.93	0.00	0.36	0.36	1.29
9	0.76	0.11	0.00	0.87	0.00	0.60	0.60	1.47
10	0.69	0.14	0.00	0.82	0.00	0.53	0.53	1.35
11	0.93	0.00	0.00	0.93	0.00	0.47	0.47	1.40
12	0.89	0.00	0.00	0.89	0.00	0.54	0.54	1.43
13	0.60	0.46	0.00	1.06	0.00	0.52	0.52	1.57
14	0.62	0.45	0.00	1.07	0.00	0.53	0.53	1.60
15	0.66	0.31	0.00	0.97	0.00	0.59	0.59	1.56
16	0.76	0.14	0.00	0.90	0.00	0.63	0.63	1.54
17	0.76	0.14	0.00	0.90	0.00	0.56	0.56	1.46
18	0.92	0.00	0.00	0.92	0.00	0.54	0.54	1.46
19	0.93	0.00	0.00	0.93	0.00	0.66	0.66	1.60
20	0.91	0.29	0.00	1.20	0.00	0.64	0.64	1.83
21	0.66	0.36	0.00	1.02	0.00	0.59	0.59	1.61
22	0.75	0.12	0.00	0.87	0.00	0.64	0.64	1.51
23	0.92	0.11	0.00	1.03	0.00	0.55	0.55	1.58
24	0.71	0.14	0.00	0.85	0.00	0.57	0.57	1.42
25	0.86	0.00	0.00	0.86	0.00	0.52	0.52	1.38
26	0.56	0.43	0.00	0.99	0.00	0.52	0.52	1.52
27	0.61	0.44	0.00	1.05	0.00	0.56	0.56	1.61
28	0.67	0.28	0.00	0.95	0.00	0.53	0.53	1.48
29	0.67	0.33	0.00	1.00	0.00	0.53	0.53	1.54
30	0.64	0.19	0.00	0.82	0.00	0.47	0.47	1.29
31	0.93	0.00	0.00	0.93	0.00	0.51	0.51	1.44
Sum	22.22	5.99	1.26	29.47	0.00	17.04	17.04	46.51

63% Triangle

MGD

MGD

MGD

37% Riverside

0.95

0.55

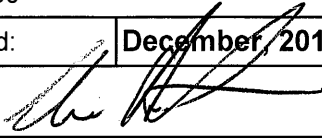
1.50

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **December, 2016**

Signature:  1/9/2017

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
12/13/16 8:10 AM	0.65	Triangle Wellhouse	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.77	32	0.71	0.76
2	1.01	45	0.71	0.81
3	0.77	33	0.70	0.78
4	0.90	40	0.71	0.81
5	1.19	49	0.69	0.75
6	1.02	46	0.71	0.81
7	1.04	41	0.71	0.72
8	0.93	39	0.68	0.76
9	0.87	43	0.75	0.90
10	0.82	41	0.78	0.90
11	0.93	51	0.79	1.00
12	0.89	47	0.76	0.94
13	1.06	47	0.65	0.81
14	1.07	44	0.65	0.75
15	0.97	43	0.63	0.81
16	0.90	47	0.81	0.93
17	0.90	41	0.76	0.83
18	0.92	40	0.67	0.79
19	0.93	36	0.69	0.70
20	1.20	53	0.70	0.79
21	1.02	44	0.71	0.77
22	0.87	39	0.72	0.82
23	1.03	45	0.73	0.80
24	0.85	36	0.70	0.76
25	0.86	38	0.72	0.81
26	0.99	44	0.70	0.79
27	1.05	41	0.70	0.71
28	0.95	38	0.68	0.73
29	1.00	45	0.72	0.80
30	0.82	24	0.67	0.53
31	0.93	31	0.56	0.61
Avg	0.95	41.60	0.71	0.79
Min	0.77	24.28	0.56	0.53
Max	1.20	52.63	0.81	1.00
Total	29.47	1,289.55		

Operating comments

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **December, 2016**

Signature:  1/9/2017

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
12/13/2016 10:00	0.58	Riverside Station	0.6

Fluoride

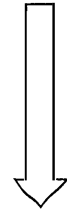
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.60	27	0.88	0.81
2	0.49	24	0.88	0.88
3	0.42	21	0.89	0.89
4	0.60	29	0.89	0.87
5	0.51	28	0.99	0.99
6	0.56	11	0.50	0.35
7	0.70	24	0.62	0.62
8	0.36	14	0.72	0.70
9	0.60	23	0.70	0.69
10	0.53	20	0.69	0.68
11	0.47	19	0.67	0.73
12	0.54	21	0.65	0.71
13	0.52	19	0.62	0.66
14	0.53	18	0.57	0.61
15	0.59	22	0.60	0.67
16	0.63	26	0.65	0.74
17	0.56	23	0.62	0.74
18	0.54	23	0.59	0.77
19	0.66	30	0.62	0.81
20	0.64	35	0.68	0.99
21	0.59	15	0.40	0.46
22	0.64	10	0.25	0.28
23	0.55	8	0.24	0.26
24	0.57	0	0.08	0.00
25	0.52	0	0.08	0.00
26	0.52	0	0.09	0.00
27	0.56	0	0.09	0.00
28	0.53	16	0.50	0.54
29	0.53	21	0.69	0.71
30	0.47	19	0.75	0.73
31	0.51	20	0.72	0.70
Avg	0.55	18.26	0.58	0.60
Min	0.36	0.00	0.08	0.00
Max	0.70	35.00	0.99	0.99
Total	17.04	566.00		

Operating comments

changed fluoride standard on CA610

operators having trouble with pacing setpoints

fluoride system offline for maintenance



fluoride online

Greater Augusta Utility District, PWSID 90080

Operator: Brian Tarbuck, 2026

Togus Disinfection Station, Route 17 Augusta, Maine

Reporting month: December, 2016

Reporting date: 1/10/2017

Date	Flow (gallons)	Average Togus chlorine residual (mg/L)	Sodium hypochlorite usage (gallons)	Operating notes
12/1/2016	61,600	1.65	0.6	
12/2/2016	61,800	1.62	0.6	
12/3/2016	0			no consumption
12/4/2016	63,900	1.59	0.6	
12/5/2016	59,500	1.58	0.6	
12/6/2016	73,100	1.59	0.8	
12/7/2016	71,600	1.56	0.7	
12/8/2016	72,500	1.50	0.7	
12/9/2016	63,600	1.53	0.6	
12/10/2016	0			no consumption
12/11/2016	62,500	1.53	0.5	
12/12/2016	63,500	1.48	0.5	
12/13/2016	63,500	1.50	0.5	
12/14/2016	63,500	1.59	0.6	
12/15/2016	63,700	1.53	0.6	
12/16/2016	66,200	1.59	0.5	
12/17/2016	0			no consumption
12/18/2016	63,100	1.55	0.6	
12/19/2016	71,400	1.53	0.6	
12/20/2016	74,000	1.58	0.7	
12/21/2016	70,000	1.50	0.7	
12/22/2016	64,900	1.53	0.6	
12/23/2016	61,300	1.71	0.5	
12/24/2016	0			no consumption
12/25/2016	61,100	1.60	0.6	
12/26/2016	0			no consumption
12/27/2016	61,700	1.71	0.5	
12/28/2016	72,400	1.64	0.7	
12/29/2016	75,200	1.72	0.6	
12/30/2016	62,400	1.74	0.4	
12/31/2016	0			no consumption
Sum	1,648,000		14.8	
Average	53,161	1.6	0.6	
Max		1.7		

GREATER AUGUSTA UTILITY DISTRICT

ME00012

ORTHO-PHOSPHATE DOSAGE

JULY -DECEMBER 2016

COLLECTION					COLLECTION				
Seq. #	Location	Collected by	DATE&TIME	ORTHO-PO4	Seq. #	Location	Collected by	DATE & TIME	ORTHO-PO4
160703	WESTERN STA.	MOONEY	7-6-16/9:20	0.69	161001	WESTERN STA.	MOONEY	10-4-16/9:45	0.66
160704	TRIANGLE WELLHOUSE	MOONEY	7-6-16/9:40	0.78	161002	TRIANGLE WELLHOUSE	MOONEY	10-4-16/10:10	0.04
160705	NORTHWEST STA.	MOONEY	7-6-16/10:00	0.84	161003	NORTHWEST STA.	MOONEY	10-4-16/10:30	0.65
160706	12 WILLIAMS ST.	MOONEY	7-6-16/10:25	0.83	161004	12 WILLIAMS ST.	MOONEY	10-4-16/10:55	0.99
160707	WILLOW ST. STA.	MOONEY	7-6-16/10:45	0.63	161005	WILLOW ST. STA.	MOONEY	10-4-16/11:15	0.65
160708	HOSPITAL ST. STA.	MOONEY	7-6-16/11:05	0.78	161006	TOGUS STA.	MOONEY	10-4-16/12:00	0.88
160709	RIVERSIDE WELLHOUSE	MOONEY	7-6-16/11:40	0.67	161007	HOSPITAL ST. STA.	MOONEY	10-4-16/11:35	0.78
160710	NORTHWEST STA.	MOONEY	7-12-16/10:00	0.66	161008	RIVERSIDE WELLHOUSE	MOONEY	10-4-16/12:50	0.82
160711	WESTERN STA.	MOONEY	7-12-16/10:20	0.72	161011	HOSPITAL ST. STA.	MOONEY	10-12-16/10:00	0.79
160712	TRIANGLE WELLHOUSE	MOONEY	7-12-16/11:10	0.73	161012	RIVERSIDE WELLHOUSE	MOONEY	10-12-16/10:20	0.73
160713	12 WILLIAMS ST.	MOONEY	7-12-16/11:45	0.87	161013	12 WILLIAMS ST.	MOONEY	10-12-16/11:00	0.88
160714	HOSPITAL ST. STA.	MOONEY	7-12-16/12:10	0.81	161014	NORTHWEST STA.	MOONEY	10-12-16/11:25	0.58
160715	RIVERSIDE WELLHOUSE	MOONEY	7-12-16/12:35	0.47	161015	TRIANGLE WELLHOUSE	MOONEY	10-12-16/11:45	0.46
160716	TOGUS STA.	MOONEY	7-13-16/10:20	1.05	161016	WESTERN STA.	MOONEY	10-12-16/12:15	0.55
160718	WESTERN STA.	MOONEY	7-19-16/9:00	0.80	161017	QUALITY INN	MOONEY	10-12-16/1:20	0.62
160719	TRIANGLE WELLHOUSE	MOONEY	7-19-16/9:20	0.69	161023	MANCHESTER TOWN OFFICE	MOONEY	10-18-16/11:40	0.71
160720	NORTHWEST STA.	MOONEY	7-19-16/9:50	0.82	161024	WESTERN STA.	MOONEY	10-18-16/12:00	0.63
160721	12 WILLIAMS ST.	MOONEY	7-19-16/10:10	1.09	161025	TRIANGLE WELLHOUSE	MOONEY	10-18-16/12:30	0.51
160722	HOSPITAL ST. STA.	MOONEY	7-19-16/10:30	1.17	161026	RIVERSIDE WELLHOUSE	MOONEY	10-18-16/1:30	0.61
160723	RIVERSIDE WELLHOUSE	MOONEY	7-19-16/11:30	0.50	161027	NORTHWEST STA.	MOONEY	10-19-16/10:10	0.68
160724	QUALITY INN	MOONEY	7-19-16/12:20	1.12	161028	12 WILLIAMS ST.	MOONEY	10-19-16/11:15	0.84
160725	MANCHESTER TOWN OFFICE	MOONEY	7-26-16/9:20	0.83	161029	HOSPITAL ST. STA.	MOONEY	10-19-16/11:30	0.88
160726	WESTERN STA.	MOONEY	7-26-16/9:40	0.79	161030	WESTERN STA.	MOONEY	10-25-16/10:30	0.53
160727	TRIANGLE WELLHOUSE	MOONEY	7-26-16/10:00	0.81	161031	TRIANGLE WELLHOUSE	MOONEY	10-25-16/11:00	0.42
160728	NORTHWEST STA.	MOONEY	7-26-16/10:20	0.70	161032	NORTHWEST STA.	MOONEY	10-25-16/11:40	0.62
160729	12 WILLIAMS ST.	MOONEY	7-26-16/10:45	1.03	161033	12 WILLIAMS ST.	MOONEY	10-25-16/12:50	0.86
160730	HOSPITAL ST. STA.	MOONEY	7-26-16/11:00	0.80	161034	HOSPITAL ST. STA.	MOONEY	10-25-16/1:10	0.77
160731	RIVERSIDE WELLHOUSE	MOONEY	7-26-16/11:50	0.54	161035	RIVERSIDE WELLHOUSE	MOONEY	10-25-16/1:50	0.90

GREATER AUGUSTA UTILITY DISTRICT
 ME00012
 ORTHO-PHOSPHATE DOSAGE
 JULY -DECEMBER 2016

COLLECTION					COLLECTION				
Seq. #	Location	Collected by	DATE&TIME	ORTHO-PO4	Seq. #	Location	Collected by	DATE & TIME	ORTHO-PO4
160801	WESTERN STA.	MOONEY	8-4-16/11:00	0.78	161102	WESTERN STA.	MOONEY	11-1-16/8:50	0.56
160802	TRIANGLE WELLHOUSE	MOONEY	8-4-16/11:20	0.83	161103	TRIANGLE WELLHOUSE	MOONEY	11-1-16/9:50	0.52
160803	NORTHWEST STA.	MOONEY	8-4-16/11:50	1.11	161104	NORTHWEST STA.	MOONEY	11-1-16/10:15	0.67
160804	12 WILLIAMS ST.	MOONEY	8-4-16/12:10	0.89	161105	RIVERSIDE WELLHOUSE	MOONEY	11-1-16/10:40	0.76
160805	HOSPITAL ST. STA.	MOONEY	8-4-16/12:30	0.82	161106	HOSPITAL ST. STA.	MOONEY	11-1-16/11:45	0.71
160806	RIVERSIDE WELLHOUSE	MOONEY	8-4-016/1:05	0.65	161107	12 WILLIAMS ST.	MOONEY	11-1-16/12:10	0.90
160807	WESTERN STA.	MOONEY	8-8-16/8:50	0.61	161108	WILLOW ST. STA.	MOONEY	1-1-16/12:30	0.63
160808	TRIANGLE WELLHOUSE	MOONEY	8-8-16/9:10	0.68	161110	RIVERSIDE WELLHOUSE	MOONEY	11-7-16/9:40	0.62
160809	NORTHWEST STA.	MOONEY	8-8-16/9:30	0.73	161111	TOGUS STA.	MOONEY	11-7-16/10:40	0.77
160810	WILLOW ST. STA.	MOONEY	8-8-16/9:50	0.73	161112	HOSPITAL ST. STA.	MOONEY	1-7-16/11:10	0.75
160811	12 WILLIAMS ST.	MOONEY	8-8-16/10:10	0.88	161113	12 WILLIAMS ST.	MOONEY	11-7-16/11:30	0.85
160812	HOSPITAL ST. STA.	MOONEY	8-8-16/10:25	1.25	161114	NORTHWEST STA.	MOONEY	11-7-16/11:50	0.53
160813	TOGUS STA.	MOONEY	8-8-16/10:55	0.91	161115	TRIANGLE WELLHOUSE	MOONEY	11-7-16/12:05	0.61
160814	RIVERSIDE WELLHOUSE	MOONEY	8-8-16/11:25	0.63	161116	WESTERN STA.	MOONEY	11-7-16/12:35	0.64
160815	NORTHWEST STA.	MOONEY	8-16-16/8:45	0.70	161117	QUALITY INN	MOONEY	11-7-16/12:55	0.56
160816	TRIANGLE WELLHOUSE	MOONEY	8-16-16/9:05	0.76	161121	WESTERN STA.	MOONEY	11-16-16/11:25	0.50
160817	WESTERN STA.	MOONEY	8-16-16/9:30	0.74	161122	TRIANGLE WELLHOUSE	MOONEY	11-16-16/11:40	0.50
160818	12 WILLIAMS ST.	MOONEY	8-16-16/9:55	0.96	161123	NORTHWEST STA.	MOONEY	11-16-16/12:05	0.59
160819	HOSPITAL ST. STA.	MOONEY	8-16-16/10:15	0.70	161124	RIVERSIDE WELLHOUSE	MOONEY	11-16-16/12:30	0.58
160820	RIVERSIDE WELLHOUSE	MOONEY	8-16-16/11:40	0.48	161126	WESTERN STA.	MOONEY	11-21-16/9:50	0.58
160821	QUALITY INN	MOONEY	8-16-16/12:25	0.73	161127	MANCHESTER TOWN OFFICE	MOONEY	11-21-16/10:10	0.67
160823	WESTERN STA.	MOONEY	8-23-16/9:40	0.66	161128	TRIANGLE WELLHOUSE	MOONEY	11-21-16/10:35	0.59
160825	TRIANGLE WELLHOUSE	MOONEY	8-23-16/10:45	0.58	161129	NORTHWEST STA.	MOONEY	11-21-16/11:00	0.63
160826	NORTHWEST STA.	MOONEY	8-23-16/11:10	0.64	161130	RIVERSIDE WELLHOUSE	MOONEY	11-21-16/11:30	0.40
160827	MANCHESTER TOWN OFFICE	MOONEY	8-23-16/11:40	0.89	161131	12 WILLIAMS ST.	MOONEY	11-21-16/12:10	0.76
160828	12 WILLIAMS ST.	MOONEY	8-23-16/12:50	1.23	161132	HOSPITAL ST. STA.	MOONEY	11-21-16/12:25	0.71
160829	RIVERSIDE WELLHOUSE	MOONEY	8-23-16/1:30	0.59					
160830	HOSPITAL ST. STA.	MOONEY	8-23-16/2:10	0.89					

GREATER AUGUSTA UTILITY DISTRICT
 ME00012
 ORTHO-PHOSPHATE DOSAGE
 JULY -DECEMBER 2016

COLLECTION					COLLECTION				
Seq. #	Location	Collected by	DATE&TIME	ORTHO-PO4	Seq. #	Location	Collected by	DATE & TIME	ORTHO-PO4
160901	WESTERN STA.	MOONEY	9-7-16/10:20	0.77	161201	12 WILLIAMS ST.	MOONEY	12-6-16/8:45	0.77
160902	TRIANGLE WELLHOUSE	MOONEY	9-7-16/10:45	0.52	161202	RIVERSIDE WELLHOUSE	MOONEY	12-6-16/9:10	0.54
160903	NORTHWEST STA.	MOONEY	9-7-16/11:05	1.00	161203	TOGUS INLET	MOONEY	12-6-16/10:00	0.83
160904	12 WILLIAMS ST.	MOONEY	9-7-16/11:35	0.95	161204	HOSPITAL ST. STA.	MOONEY	12-6-16/10:20	0.76
160905	HOSPITAL ST. STA.	MOONEY	9-5-16/11:55	1.36	161205	WILLOW ST. STA.	MOONEY	12-6-16/10:40	0.68
160906	RIVERSIDE WELLHOUSE	MOONEY	9-7-16/12:45	0.71	161206	NORTHWEST STA.	MOONEY	12-6-16/11:00	0.53
160908	WILLOW ST. STA.	MOONEY	9-12-16/10:20	0.65	161207	TRIANGLE WELLHOUSE	MOONEY	12-6-16/11:20	0.54
160909	TOGUS STA.	MOONEY	9-12-16/10:40	0.83	161208	WESTERN STA.	MOONEY	12-6-16/11:40	0.56
160910	RIVERSIDE WELLHOUSE	MOONEY	9-12-16/11:20	0.54	161209	TRIANGLE WELLHOUSE	MOONEY	12-13-16/8:10	0.52
160911	TRIANGLE WELLHOUSE	MOONEY	9-12-16/12:00	0.61	161210	NORTHWEST STA.	MOONEY	12-13-16/8:40	0.53
160912	HOSPITAL ST. STA.	MOONEY	9-13-16/10:15	0.97	161011	12 WILLIAMS ST.	MOONEY	12-13-16/9:00	0.83
160913	12 WILLIAMS ST.	MOONEY	9-13-16/10:35	0.88	161213	RIVERSIDE WELLHOUSE	MOONEY	12-13-16/10:00	0.65
160914	NORTHWEST STA.	MOONEY	6-13-16/11:40	0.60	161214	HOSPITAL ST. STA.	MOONEY	12-14-16/11:10	0.77
160915	WESTERN STA.	MOONEY	9-13-16/12:30	0.84	161215	WESTERN STA.	MOONEY	12-14-16/12:10	0.59
160916	QUALITY INN	MOONEY	9-13-16/12:50	0.69	161217	WESTERN STA.	MOONEY	12-20-16/9:35	0.49
160919	MANCHESTER TOWN OFFICE	MOONEY	9-20-16/10:20	0.80	161218	TRIANGLE WELLHOUSE	MOONEY	12-20-16/10:05	0.44
160920	HOSPITAL ST. STA.	MOONEY	9-20-16/11:30	0.75	161219	NORTHWEST STA.	MOONEY	12-20-16/10:35	0.56
160921	RIVERSIDE WELLHOUSE	MOONEY	9-20-16/12:05	0.85	161220	12 WILLIAMS ST.	MOONEY	12-20-16/11:00	0.77
160922	12 WILLIAMS ST.	MOONEY	9-20-16/12:50	0.88	161221	HOSPITAL ST. STA.	MOONEY	12-20-16/11:15	0.67
160923	NORTHWEST STA.	MOONEY	9-20-16/1:10	0.55	161222	RIVERSIDE WELLHOUSE	MOONEY	12-20-16/12:00	0.55
160924	TRIANGLE WELLHOUSE	MOONEY	9-20-16/1:30	0.69	161223	QUALITY INN	MOONEY	12-20-16/1:10	0.58
160925	WESTERN STA.	MOONEY	9-20-16/1:55	0.68	161225	WESTERN STA.	MOONEY	12-28-16/9:20	0.50
160931	WESTERN STA.	MOONEY	9-27-16/9:50	0.56	161226	MANCHESTER TOWN OFFICE	MOONEY	12-28-16/9:40	0.66
160932	TRIANGLE WELLHOUSE	MOONEY	9-27-16/10:05	0.52	161227	TRIANGLE WELLHOUSE	MOONEY	12-28-16/10:05	0.39
160933	NORTHWEST STA.	MOONEY	9-27-16/10:30	0.57	161228	NORTHWEST STA.	MOONEY	12-28-16/10:25	0.62
160934	12 WILLIAMS ST.	MOONEY	9-27-16/10:50	0.92	161229	12 WILLIAMS ST.	MOONEY	12-28-16/10:55	0.96
160935	HOSPITAL ST. STA.	MOONEY	9-27-16/11:10	0.72	161230	HOSPITAL ST. STA.	MOONEY	12-28-16/11:15	0.74
160936	RIVERSIDE WELLHOUSE	MOONEY	9-27-16/11:55	0.69	161231	RIVERSIDE WELLHOUSE	MOONEY	12-28-16/12:05	0.73

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:

DEC

Year:

2016

Public Water System Information	
System's name:	East Pittston H ₂ O
Sampler's phone #:	242-6252
PWSID#:	92255
Address:	1200 E Pittston Rd Pittston ME 04345
Sample Category (1):	Bacti
Sampler's name:	Bill Wilkinson

Laboratory Information	
Lab name:	Greater Augusta Utility District
Lab certification:	ME00012
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	12/9 @ 17:30	161216	12/20/16 8:30 am	0			9223B
2								
3								
4								

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

Sampler's Signature:

Bill Wilkinson

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