

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

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greateraugustautilitydistrict.org



Greater Augusta
Utility District

Water | Sewer | Storm Water

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

Dave Bustin, Hallowell ex-officio member
dbustin@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Sukey Sikora
ssikora@greateraugustautilitydistrict.org

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

February 10, 2015

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, 2015. You should find the following documents:

1. Fluoridation Report;
2. Total Coliform Monitoring Report;
3. South Well, Brookside Well and Triangle Well pump report;
4. Triangle Station Monthly Operating Report; and
5. Togus VA Small Water System Chlorination Report Forms for buildings 206 and 207.

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

Sincerely,

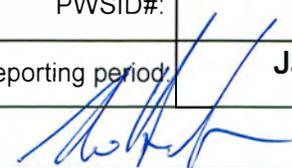
Brian Tarbuck, PE
General Manager

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

Reporting period: **January - 15**

Signature:  Date: **2/10/2015**

System Information

Treatment plant: **Triangle Station**

Chemical Used: **Sodium Fluoride**

Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
1/20/2015 10:45	0.80	Triangle Station	0.8

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	2.00	72.77	0.61	0.65
2	1.29	43.48	0.61	0.61
3	1.38	49.53	0.60	0.64
4	1.40	50.65	0.59	0.65
5	2.12	77.76	0.59	0.66
6	1.37	49.60	0.38	0.65
7	1.92	42.04	0.42	0.40
8	1.83	65.74	0.64	0.65
9	1.16	35.36	0.65	0.55
10	1.42	49.51	0.62	0.63
11	1.98	67.72	0.61	0.62
12	1.83	62.74	0.34	0.62
13	1.49	50.50	0.15	0.61
14	1.59	53.95	0.94	0.61
15	1.68	66.76	0.91	0.72
16	1.75	74.72	0.42	0.77
17	1.62	68.74	0.14	0.76
18	1.56	66.74	0.55	0.77
19	1.74	76.81	0.74	0.80
20	1.98	87.93	0.78	0.80
21	1.69	75.85	0.73	0.81
22	1.86	74.81	0.79	0.72
23	1.76	74.76	0.76	0.76
24	1.71	74.87	0.71	0.79
25	1.61	70.88	0.73	0.79
26	1.88	76.84	0.76	0.74
27	2.08	89.95	0.72	0.78
28	1.58	70.72	0.72	0.80
29	1.88	81.91	0.71	0.78
30	1.67	65.77	0.75	0.71
31	1.42	62.74	0.73	0.80
Avg	1.69	65.55	0.63	0.70
Min	1.16	35.36	0.14	0.40
Max	2.12	89.95	0.94	0.81
Total	52.24	2,032.17		

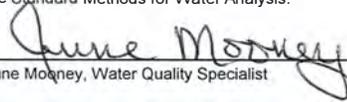
Operating comments

CA 610 analyzer required maintenance during this period. Computed (theoretical) residual was tracking as anticipated.

Bacteriological Report Form

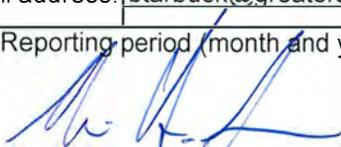
Utility: Greater Augusta Utility District, PWSID ME0090080
 Greater Augusta Utility District Laboratory, ME00012

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	24
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	1-6-15/10:40	1.03	1.02	0.64	MOONEY	1-6-15/2:45	A	COLILERT				
2	WELLHOUSE	DIS	MOONEY	1-6-15/11:00	0.68	0.68	0.58	MOONEY	1-6-15/2:45	A	COLILERT				
3	NORTHWEST STA.	DIS	MOONEY	1-6-15/11:40	1.25	1.23	0.59	MOONEY	1-6-15/2:45	A	COLILERT				
4	WILLOW ST. STA.	DIS	MOONEY	1-6-15/12:05	1.17	1.17	0.62	MOONEY	1-6-15/2:45	A	COLILERT				
5	12 WILLIAMS ST.	DIS	MOONEY	1-6-15/12:25	1.10	1.10	0.61	MOONEY	1-6-15/2:45	A	COLILERT				
6	HOSPITAL ST. STA.	DIS	MOONEY	1-6-15/12:45	1.05	1.05	0.61	MOONEY	1-6-15/2:45	A	COLILERT				
7	HOSPITAL ST. STA.	DIS	MOONEY	1-13-15/9:10	1.17	1.17	0.58	MOONEY	1-13-15/2:00	A	COLILERT				
8	12 WILLIAMS ST.	DIS	MOONEY	1-13-15/9:35	1.27	1.27	0.53	MOONEY	1-13-15/2:00	A	COLILERT				
9	NORTHWEST STA.	DIS	MOONEY	1-13-15/10:10	1.16	1.16	0.59	MOONEY	1-13-15/2:00	A	COLILERT				
10	WELLHOUSE	DIS	MOONEY	1-13-15/10:35	1.35	1.33	0.51	MOONEY	1-13-15/2:00	A	COLILERT				
11	WESTERN STA.	DIS	MOONEY	1-13-15/11:05	1.09	1.09	0.56	MOONEY	1-13-15/2:00	A	COLILERT				
12	MANCHESTER TOWN OFFICE	DIS	MOONEY	1-13-15/11:25	0.59	0.59	0.47	MOONEY	1-13-15/2:00	A	COLILERT				
13	WESTERN STA.	DIS	MOONEY	1-20-15/10:25	0.92	0.92	0.65	MOONEY	1-20-15/2:45	A	COLILERT				
14	WELLHOUSE	DIS	MOONEY	1-20-15/10:45	1.46	1.45	0.80	MOONEY	1-20-15/2:45	A	COLILERT				
15	NORTHWEST STA.	DIS	MOONEY	1-20-15/11:20	1.09	1.08	0.77	MOONEY	1-20-15/2:45	A	COLILERT				
16	12 WILLIAMS ST.	DIS	MOONEY	1-20-15/11:50	1.32	1.31	0.75	MOONEY	1-20-15/2:45	A	COLILERT				
17	HOSPITAL ST. STA.	DIS	MOONEY	1-20-15/12:15	1.19	1.18	0.74	MOONEY	1-20-15/2:45	A	COLILERT				
18	TOGUS STA.	DIS	MOONEY	1-20-15/12:40	0.99	0.97	0.65	MOONEY	1-20-15/2:45	A	COLILERT				
19	WESTERN STA.	DIS	MOONEY	1-28-15/1:25	0.98	0.97	0.74	MOONEY	1-29-15/8:00	A	COLILERT				
20	WELLHOUSE	DIS	MOONEY	1-28-15/1:45	1.28	1.28	0.75	MOONEY	1-29-15/8:00	A	COLILERT				
21	12 WILLIAMS ST.	DIS	MOONEY	1-28-15/2:20	1.34	1.30	0.79	MOONEY	1-29-15/8:00	A	COLILERT				
22	HOSPITAL ST. STA.	DIS	MOONEY	1-29-15/9:25	1.31	1.29	0.77	MOONEY	1-29-15/11:45	A	COLILERT				
23	NORTHWEST STA.	DIS	MOONEY	1-29-15/9:45	1.26	1.24	0.80	MOONEY	1-29-15/11:45	A	COLILERT				
24	QUALITY INN	DIS	MOONEY	1-29-15/10:45	0.83	0.83	0.72	MOONEY	1-29-15/11:45	A	COLILERT				
*	LAB DISTILLED WATER	QC	MOONEY	1-20-15/7:00	0.02	0.02		MOONEY	1-20-15/9:00						0:4ml

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Select one	
PWSID#:	90080	Community System →	<input checked="" type="checkbox"/>
Designated operator name and ME License #:	Brian Tarbuck 2026	Non-transient Non-community →	<input type="checkbox"/>
e-mail address:	btarbuck@greataugustautilitydistrict.org	Transient Non-Community →	<input type="checkbox"/>
Reporting period (month and year):	January - 15	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Signature: 	Date: 2/10/2015	List any operation problems or comments:	

Daily water production (MG)				
Date	Triangle Well	South Well	Brookside Well	Sum
1	0.62	0.90	0.47	2.00
2	0.41	0.56	0.32	1.29
3	0.43	0.62	0.34	1.38
4	0.44	0.62	0.34	1.40
5	0.82	1.11	0.19	2.12
6	0.61	0.76	0.00	1.37
7	0.83	1.08	0.00	1.92
8	0.70	0.82	0.31	1.83
9	0.38	0.53	0.25	1.16
10	0.49	0.61	0.32	1.42
11	0.59	1.13	0.26	1.98
12	0.46	1.15	0.23	1.83
13	0.30	1.19	0.00	1.49
14	0.88	0.71	0.00	1.59
15	0.71	0.96	0.00	1.68
16	0.59	1.16	0.00	1.75
17	0.46	1.16	0.00	1.62
18	0.39	1.17	0.00	1.56
19	0.36	1.17	0.21	1.74
20	0.51	1.08	0.39	1.98
21	0.35	1.17	0.18	1.69
22	0.58	1.15	0.14	1.86
23	0.60	1.16	0.00	1.76
24	0.55	1.16	0.00	1.71
25	0.45	1.17	0.00	1.61
26	0.52	0.92	0.43	1.88
27	0.75	1.11	0.22	2.08
28	0.41	1.17	0.00	1.58
29	0.55	1.13	0.19	1.88
30	0.48	1.15	0.04	1.67
31	0.23	1.19	0.00	1.42
Sum	16.44	30.98	4.83	52.24

Monthly Operating Report
System Type - All GW systems
 System Name: **Greater Augusta Utility District**
 PWSID#: 90080
 Designated operator name and ME License #: Brian Tarbuck / 2026
 e-mail address: btarbuck@greteraugustautilitydistrict.org
 Reporting period (month and year): **January - 15**
 Signature: *[Signature]* Date: 2/10/2015

System Information
 Treatment plant/pump station: **Triangle Station**
 Community water system
 List any new or changed system information (facilities, treatments, sources, operators, address, tele, ect.):
 List any operational problems or comments:

Daily water production		
Date	Gallons (MGD)	pH
1	2.00	7.56
2	1.29	7.54
3	1.38	7.54
4	1.40	7.54
5	2.12	7.58
6	1.37	7.58
7	1.92	7.59
8	1.83	7.56
9	1.16	7.52
10	1.42	7.53
11	1.98	7.53
12	1.83	7.53
13	1.49	7.54
14	1.59	7.57
15	1.68	7.56
16	1.75	7.56
17	1.62	7.56
18	1.56	7.56
19	1.74	7.55
20	1.98	7.54
21	1.69	7.56
22	1.86	7.58
23	1.76	7.58
24	1.71	7.58
25	1.61	7.59
26	1.88	7.56
27	2.08	7.57
28	1.58	7.59
29	1.88	7.58
30	1.67	7.59
31	1.42	7.59
Summary	52.24	7.56

Sum Average

From table below:
 List units: (i.e. lbs, gal)

Chemical usage						Ave free chlorine residual
Calc	Hypo	NaF	4	5	6	mg/l
gal	gal	lbs				
1	17					1.31
1	24	50				1.21
1	16					1.20
1	16					1.23
0	16	0				1.30
2	26	0				1.16
1	15	0				1.24
-1	21	0				1.17
1	18	100				1.17
1	11					1.17
0	12					1.37
1	23	0				1.37
1	21	0				1.36
-1	19	100				1.34
2	17	0				1.33
-1	20	0				1.41
1	19					1.35
1	19					1.31
2	19					1.31
1	20	0				1.34
10	32	0				1.27
-8	21	100				1.29
-1	10	0				1.31
7	26					1.28
1	19					1.26
2	20	100				1.30
4	25	0				1.28
1	24	0				1.26
1	17	0				1.27
1	21	100				1.26
1	20					1.24
35	605	550				1.16

(total) (total) (total) (total) (total) (total) (min.)

Chemicals Used
 (report fluoride info on separate fluoride form)

Number	Chemical Name	Purpose	Chemical Strength
1	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Sodium hypochlorite	primary and secondary disinfection	12.50%
3	Sodium fluoride	fluoridation	
4			
5			
6			
Disinfectant			

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	24	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	1.12

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 2015

Signature: 

Date	Time	Water Treated Gallons	Clearitas Gallons	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)	Recirc Loop Temperature
1							
2		11,456	4.0	.73	1.11	.21	
3							
4							
5		9,222	3.75	.73	.92	.11	
6		3,557	2.0	.75	1.19	.30	
7		4,140	2.0	.79	1.24	.31	
8		6,159	3.0	.81	1.31	.33	
9		3,599	1.5	.81	1.00	.21	
10							
11							
12		10,036	4.5	.79	.90	.20	
13							
14		7,141	3.5	.76	.91	.05	
15							
16		11,162	5.0	.75	.90	.20	
17							
18							
19							
20							
21		15,179	7.5	.80	1.10	.23	
22							
23		7,389	4.0	.80	1.00	.22	
24							
25							
26		7,143	3.5	.84	1.22	.41	
27							
28							
29		7,900	4.0	.85	1.19	.30	
30							
31							
Summary		104,083	48.25				

16,183

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 2015

Signature: B. Baker

Date	Time	Water Treated Gallons	Clearitas Gallons	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)	Recirc Loop Temperature
1							
2		5,713	3.0	.71	1.03	.09	
3							
4		6,383	3.0	.71	1.11	.11	
5							
6		1,979	1.0	.75	.90	.33	
7		6,119	3.0	.74	.93	.39	
8							
9		6,198	3.25	.75	.99	.20	
10							
11		5,739	3.0	.75	1.0	.16	
12		3,579	1.5	.70	1.07	.42	
13							
14		5,725	3.0	.73	.95	.30	
15							
16		7,995	3.5	.74	.90	.19	
17							
18		5,264	2.5	.74	.91	.15	
19							
20							
21		8,587	4.0	.77	1.10	.20	
22							
23		7,048	4.0	.78	.99	.17	
24							
25		7,665	3.5	.79	.98	.20	
26		1,789	1.0	.81	1.30	.71	
27							
28							
29		10,014	5.0	.84	1.25	.19	
30							
31							
Summary		89,797	44.25				

Brian Tarbuck, General Manager
btarbuck@greataugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greataugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greataugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greataugustautilitydistrict.org

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greataugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greataugustautilitydistrict.org

Kirsten Hebert
khebert@greataugustautilitydistrict.org

Don Roberts
droberts@greataugustautilitydistrict.org

Sukey Sikora
ssikora@greataugustautilitydistrict.org

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

March 10, 2015

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, 2015. You should find the following documents:

1. Fluoridation Report;
2. Total Coliform Monitoring Report;
3. South Well, Brookside Well and Triangle Well pump report;
4. Triangle Station Monthly Operating Report; and
5. Togus VA Small Water System Chlorination Report Forms for buildings 200, 206 and 207.

We had a number of computer problems last month that have been resolved.

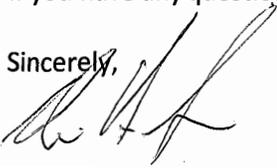
Note on the fluoride sheet that only partial data was available for several days in February. The systems that run the chemical feed pumps and well pumps operate independently of the SCADA computer. The computer collects data from programmable logic controllers, stores it, and trends it. If the computer is offline, the system continues to operate, data still pushes to the computer, but there is no way to store and trend the data.

Analysis showed that problems were caused when Windows Updates were applied in the early morning hours. Other problems were related to a KVM switching device which led operators to believe the monitor had failed. Common sense efforts to repair these issues may in fact have made them worse. Though you can't see the lack of recorded data on the reports, I'm compelled to call it to your attention. This is unusual to lose data at all, let alone several times in one month.

Notice also that Togus has added a third chlorine injection site. The new site is building 200. They are working with Andy Begin from our office with June Mooney from our lab providing field support and independent water quality analysis. Togus is planning to install a sodium hypochlorite injection system at the valve station on Route 3 to improve disinfection of the entire campus and eliminate the three sites at 200, 206 and 207. GAUD personnel are working with them on this project and will keep the DWP informed.

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 light gray rectangular background.

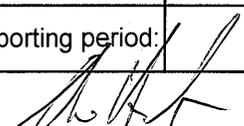
Brian Tarbuck, PE
General Manager

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

Reporting period: **February - 15**

Signature:  Date: **3/10/2015**

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
2/13/2015 11:30	0.77	Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.67	72.78	0.72	0.78
2	1.71	67.73	0.76	0.71
3	1.70	72.74	0.71	0.77
4	2.11	91.08	0.73	0.78
5	1.81	76.81	0.72	0.76
6	1.74	74.86	0.72	0.78
7	1.76	74.77	0.70	0.77
8	1.68	71.72	0.70	0.77
9	1.73	73.76	0.71	0.77
10	1.81	71.70	0.73	0.71
11	2.14	90.92	0.71	0.76
12	2.42	92.98	0.71	0.69
13	2.37	80.08	0.69	0.61
14	1.53	64.70	0.70	0.76
15	2.11	88.96	0.71	0.76
16	1.84	77.81	0.71	0.76
17	1.98	51.56	0.66	0.47
18	2.44	85.97	0.71	0.63
19	1.80	76.81	0.69	0.77
20	1.88	75.82	0.62	0.73
21	1.66	69.76	0.59	0.75
22	1.66	70.79	1.08	0.77
23	1.92	81.92	0.79	0.77
24	1.78	73.83	0.75	0.74
25	2.00	82.94	0.72	0.75
26	1.96	81.98	0.67	0.75
27	1.80	70.75	0.63	0.71
28	1.97	82.87	0.89	0.76
Avg	1.89	76.73	0.72	0.73
Min	1.53	51.56	0.59	0.47
Max	2.44	92.98	1.08	0.78
Total	53.00	2,148.39		

Operating comments

Computer fail; 39% of data lost

Computer fail; 48% of data lost

Computer fail, 31% of data lost

Computer fail, 33% of data lost

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	25
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	2-4-15/10:00	1.01	1.00	0.72	MOONEY	2-4-15/1:45	A	COLILERT					
2	WELLHOUSE	DIS	MOONEY	2-4-15/10:25	1.30	1.28	0.74	MOONEY	2-4-15/1:45	A	COLILERT					
3	WILLOW ST.STA.	DIS	MOONEY	2-4-15/11:00	1.24	1.22	0.73	MOONEY	2-4-15/1:45	A	COLILERT					
4	12 WILLIAMS ST.	DIS	MOONEY	2-4-15/11:20	1.25	1.24	0.71	MOONEY	2-4-15/1:45	A	COLILERT					
5	HOSPITAL ST. STA.	DIS	MOONEY	2-4-15/11:55	1.17	1.16	0.72	MOONEY	2-4-15/1:45	A	COLILERT					
6	NORTHWEST STA.	DIS	MOONEY	2-5-15/9:40	1.36	1.36	0.80	MOONEY	2-5-15/11:30	A	COLILERT					
7	WESTERN STA.	DIS	MOONEY	2-11-15/9:35	1.04	1.03	0.77	MOONEY	2-11-15/2:15	A	COLILERT					
8	WELLHOUSE	DIS	MOONEY	2-11-15/10:00	1.32	1.31	0.75	MOONEY	2-11-15/2:15	A	COLILERT					
9	NORTHWEST STA.	DIS	MOONEY	2-11-15/10:25	1.30	1.29	0.76	MOONEY	2-11-15/2:15	A	COLILERT					
10	K.V. CREDIT UNION	DIS	MOONEY	2-11-15/10:45	1.17	1.16	0.75	MOONEY	2-11-15/2:15	A	COLILERT					
11	12 WILLIAMS ST.	DIS	MOONEY	2-11-15/11:10	1.41	1.39	0.73	MOONEY	2-11-15/2:15	A	COLILERT					
12	HOSPITAL ST. STA.	DIS	MOONEY	2-11-15/11:35	1.35	1.35	0.73	MOONEY	2-11-15/2:15	A	COLILERT					
13	QUALITY INN	DIS	MOONEY	22-11-15/12:00	1.02	1.02	0.71	MOONEY	2-11-15/2:15	A	COLILERT					
14	GREYBIRCH	DIS	MOONEY	2-11-15/12:30	1.01	1.00	0.71	MOONEY	2-11-15/2:15	A	COLILERT					
15	MANCHESTER TOWN OFFICE	DIS	MOONEY	2-17-15/11:00	0.66	0.69	0.75	MOONEY	2-17-15/2:45	A	COLILERT					
16	WESTERN STA.	DIS	MOONEY	2-17-15/11:20	1.06	1.06	0.76	MOONEY	2-17-15/2:45	A	COLILERT					
17	WELLHOUSE	DIS	MOONEY	2-17-15/11:45	1.42	1.39	0.70	MOONEY	2-17-15/2:45	A	COLILERT					
18	NORTHWEST STA.	DIS	MOONEY	2-17-15/12:25	1.44	1.43	0.73	MOONEY	2-17-15/2:45	A	COLILERT					
19	12 WILLIAMS ST.	DIS	MOONEY	2-17-15/12:50	1.36	1.36	0.71	MOONEY	2-17-15/2:45	A	COLILERT					
20	HOSPITAL ST. STA.	DIS	MOONEY	2-17-15/1:10	1.29	1.29	0.72	MOONEY	2-17-15/2:45	A	COLILERT					
21	WESTERN STA.	DIS	MOONEY	2-24-15/8:50	0.99	0.99	0.70	MOONEY	2-24-15/2:30	A	COLILERT					
22	WELLHOUSE	DIS	MOONEY	2-24-15/9:15	1.22	1.22	0.68	MOONEY	2-24-15/2:30	A	COLILERT					
23	NORTHWEST STA.	DIS	MOONEY	2-24-15/9:45	1.41	1.41	0.69	MOONEY	2-24-15/2:30	A	COLILERT					
24	12 WILLIAMS ST.	DIS	MOONEY	2-24-15/10:10	1.29	1.29	0.69	MOONEY	2-24-15/2:30	A	COLILERT					
25	HOSPITAL ST. STA.	DIS	MOONEY	2-24-15/10:30	1.28	1.26	0.69	MOONEY	2-24-15/2:30	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	2-23-15/10:00	0.02	0.02		MOONEY	2-23-15/12:00							0:4ml

Monthly Well Production Report
System Type - All GW systems

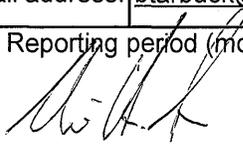
System Name: **Greater Augusta Utility District**

PWSID#: **90080**

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

e-mail address: **btarbuck@greataugustautilitydistrict.org**

Reporting period (month and year): **February - 15**

Signature:  Date: **3/10/2015**

System Information

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

Select one

Community System →

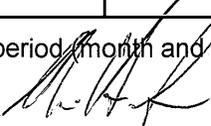
Non-transient Non-community →

Transient Non-Community →

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

List any operation problems or comments:

Daily water production (MG)				
Date	Triangle Well	South Well	Brookside Well	Sum
1	0.52	1.15	0.00	1.67
2	0.55	1.16	0.00	1.71
3	0.54	1.16	0.00	1.70
4	0.67	1.12	0.32	2.11
5	0.47	1.14	0.20	1.81
6	0.54	1.16	0.04	1.74
7	0.60	1.16	0.00	1.76
8	0.53	1.15	0.00	1.68
9	0.56	1.17	0.00	1.73
10	0.66	1.15	0.00	1.81
11	0.82	1.14	0.18	2.14
12	0.75	1.09	0.58	2.42
13	0.76	1.09	0.52	2.37
14	0.25	1.19	0.10	1.53
15	0.61	1.12	0.38	2.11
16	0.63	1.15	0.06	1.84
17	0.84	1.15	0.00	1.98
18	0.77	1.10	0.56	2.44
19	0.43	1.14	0.23	1.80
20	0.48	1.15	0.25	1.88
21	0.43	1.16	0.07	1.66
22	0.50	1.16	0.00	1.66
23	0.59	1.14	0.18	1.92
24	0.59	1.15	0.05	1.78
25	0.85	1.15	0.00	2.00
26	0.61	1.13	0.22	1.96
27	0.65	1.15	0.00	1.80
28	0.83	1.14	0.00	1.97
Sum	17.03	32.03	3.93	53.00

Monthly Operating Report
System Type - All GW systems
System Name: **Greater Augusta Utility District**
PWSID#: 90080
Designated operator name and ME License #: **Brian Tarbuck**
2026
e-mail address: **btarbuck@greataugustautilitydistrict.org**
Reporting period (month and year): **February - 15**
Signature:  Date: 3/10/2015

System Information
Treatment plant/pump station: **Triangle Station**
Community water system
List any new or changed system information (facilities, treatments, sources, operators, address, tele, ect.):
List any operational problems or comments:

Daily water production		
Date	Gallons (MGD)	pH
1	1.67	7.58
2	1.71	7.59
3	1.70	7.59
4	2.11	7.57
5	1.81	7.58
6	1.74	7.58
7	1.76	7.58
8	1.68	7.58
9	1.73	7.58
10	1.81	7.58
11	2.14	7.57
12	2.42	7.55
13	2.37	7.55
14	1.53	7.57
15	2.11	7.55
16	1.84	7.57
17	1.98	7.57
18	2.44	7.55
19	1.80	7.56
20	1.88	7.56
21	1.66	7.57
22	1.66	7.57
23	1.92	7.57
24	1.78	7.57
25	2.00	7.57
26	1.96	7.56
27	1.80	7.57
28	1.97	7.57
Summary	53.00	7.57

Sum Average

From table below:
List units: (i.e. lbs, gal)

Chemical usage						Ave free chlorine residual
Calc	Hypo	NaF	4	5	6	
gal	gal	lbs				mg/l
2	17					1.23
2	20	100				1.32
2	51	0				1.36
1	20	0				1.36
1	24	0				1.34
2	22	0				1.33
1	20					1.32
1	20					1.31
2	20	0				1.31
0	20	100				1.31
1	21	0				1.33
2	26					1.36
2	26	0				1.35
2	23					1.30
1	18					1.32
2	26					1.29
1	21	0				1.29
0	30	0				1.33
2	17					1.29
1	22	100				1.29
2	21					1.28
0	18					1.26
2	20	0				1.28
2	23	0				1.27
1	21	0				1.26
1	22	0				1.27
2	24	100				1.24
2	20					1.24
37	633	400				1.23

sum sum sum sum sum sum minimum

Chemicals Used
(report fluoride info on separate fluoride form)

Number	Chemical Name	Purpose	Chemical Strength
1	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Sodium hypochlorite	primary and secondary disinfection	12.50%
3	Sodium fluoride	fluoridation	
4	n/a		
5	n/a		
6	n/a		

Summary of Total Coliform Bacteria Rule			
Number of routine samples taken:	25	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	1.21

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 2015

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo	Pre- Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Reclrc Loop Chlorine (mg/L)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25	27090		1.00	1.09	
26	24,812		1.01	1.07	
27	11,678	.5	1.01	1.20	
28					
29					
30					
31					

Total | 63,580 | .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: FEB 2015

Signature: B. Baker

Date	Time	Water Treated Gallons	Clearitas Gallons	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)	Recirc Loop Temperature
1							
2		11,212	5.0	.90	1.18	.10	
3							
4							
5		5,945	2.5	.75	.96	.05	
6		2,717	1.5	.80	.99	.11	
7							
8							
9		7,639	3.0	.94	1.16	.31	
10		3,262	1.5	.92	1.36	.40	
11		7,709	1% sodium hypo.	1.01	1.30	.25	
12		7,120		.97	1.10	.20	
13		4,133	1.0	1.1	1.40	.45	
14							
15		1,555		.95	1.22	.31	
16							
17		10,543	.25	.91	1.30	.30	
18							
19							
20		11,342	.25	.96	1.26	.31	
21							
22							
23		8,989	.25	.96	1.30	.30	
24		3,027		.95	1.10		
25		4,150		.97	1.17	.33	
26		5,308	.25	1.10	1.44	.34	
27							
28							
29							
30							
31							
Summary		94,651	Clearitas = 13.5 1% hypo = 1.0				

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 2015

Signature: Ben Baker

Date	Time	Water Treated Gallons	Clearitas Gallons	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)	Recirc Loop Temperature
1							
2		13,655	7.0	.79	1.20	.40	
3							
4							
5		11,541	6.0	.82	1.13	.35	
6		2,635	1.5	.85	1.19	.25	
7							
8		6,186	3.0	.92	1.11	.19	
9		2,707	1.0	.94	1.25	.20	
10		7,750	1% hypo	.89	.97	.35	
11		3,939		1.01	1.07	.62	
12		4,280	1.0	.94	1.25	.50	
13		4,182	1.0	1.04	1.30	.42	
14							
15		3,039		1.01	1.19	.20	
16							
17		11,292	.5	.98	1.27	.31	
18							
19							
20		11,944	.5	.93	1.02	.57	
21							
22		11,091	1.0	.98	1.30	.71	
23		3,776		1.01	1.19	.44	
24		4,388		1.03	1.18		
25		3,734		1.03	1.35	.60	
26							
27							
28							
29							
30							
31							
Summary		106,139	Clearitas=18.5 1% hypo=3.0				

Brian Tarbuck, General Manager
btarbuck@greataugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greataugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greataugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greataugustautilitydistrict.org

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greataugustautilitydistrict.org



Greater Augusta
Utility District
Water | Sewer | Storm Water

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

Dave Bustin, Hallowell ex-officio member
dbustin@greataugustautilitydistrict.org

Kirsten Hebert
khebert@greataugustautilitydistrict.org

Don Roberts
droberts@greataugustautilitydistrict.org

Sukey Sikora
ssikora@greataugustautilitydistrict.org

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

April 9, 2015

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 March, 2015. You should find the following documents:

1. Fluoridation Report;
2. Total Coliform Monitoring Report;
3. South Well, Brookside Well and Triangle Well pump report;
4. Triangle Station Monthly Operating Report;
5. Togus VA Small Water System Chlorination Report Forms for buildings 200, 206 and 207; and
6. East Pittston Water District (PWSID: 92255) Total Coliform Monitoring Report.

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

Sincerely,

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

Brian Tarbuck, PE
General Manager

Monthly Fluoride Report
System Type - Fluoride Systems

System Information

Treatment plant: Triangle Station

Chemical Used: Sodium Fluoride

System Name: Greater Augusta Utility District

PWSID#: 90080

Reporting period: *[Signature]* **March - 15**

Notes: See notes below for specific operating conditions.

Signature: *[Signature]* Date: 4/10/2015

Date	GAUD mg/L	Location	HETL mg/L
3/17/2015 10:30	0.76	Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.54	63.74	0.69	0.74
2	1.98	77.83	0.70	0.71
3	1.87	72.77	0.73	0.70
4	1.98	83.90	0.77	0.76
5	2.07	87.84	0.75	0.77
6	1.96	76.84	0.90	0.70
7	1.70	69.78	0.74	0.74
8	1.96	79.06	0.71	0.73
9	1.79	82.11	0.74	0.82
10	1.90	73.78	0.76	0.70
11	1.95	77.83	0.81	0.72
12	2.08	79.94	0.77	0.69
13	1.96	79.78	0.74	0.73
14	1.67	80.91	0.72	0.87
15	1.75	68.71	0.73	0.71
16	1.82	70.73	0.77	0.70
17	1.77	71.72	0.72	0.73
18	2.16	74.75	0.75	0.62
19	2.00	62.64	0.74	0.56
20	1.87	43.43	0.75	0.42
21	1.66	61.57	0.75	0.67
22	1.85	70.84	0.72	0.69
23	1.93	78.92	0.74	0.73
24	2.00	82.95	0.74	0.75
25	1.98	80.85	0.75	0.73
26	1.81	74.92	0.74	0.74
27	2.00	78.81	0.74	0.71
28	1.87	81.84	0.75	0.79
29	1.84	77.93	0.78	0.76
30	2.01	80.93	0.73	0.72
31	1.93	84.96	0.74	0.79
Avg	1.89	75.25	0.75	0.72
Min	1.54	43.43	0.69	0.42
Max	2.16	87.84	0.90	0.87
Total	58.68	2,332.62		

Operating comments

Bacteriological Report Form

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

Number of samples required	15
Number of samples taken for compliance	30
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	3-3-15/9:40	1.07	1.08	0.76	MOONEY	3-3-15/2:15	A	COLILERT					
2	WELLHOUSE	DIS	MOONEY	3-3-15/10:00	1.26	1.24	0.72	MOONEY	3-3-15/2:15	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	3-3-15/10:30	1.13	1.11	0.78	MOONEY	3-3-15/2:15	A	COLILERT					
4	WILLOW ST. STA.	DIS	MOONEY	3-3-15/10:50	1.29	1.29	0.28	MOONEY	3-3-15/2:15	A	COLILERT					
5	12 WILLIAMS ST.	DIS	MOONEY	3-3-15/11:20	1.23	1.22	0.74	MOONEY	3-3-15/2:15	A	COLILERT					
6	HOSPITAL ST. STA.	DIS	MOONEY	3-3-15/11:50	1.10	1.10	0.73	MOONEY	3-3-15/2:15	A	COLILERT					
7	1000 RIVERSIDE DR.	DIS	MOONEY	3-3-15/12:15	0.82	0.82	0.73	MOONEY	3-3-15/2:15	A	COLILERT					
8	HOSPITAL ST. STA.	DIS	MOONEY	3-9-15/10:50	1.36	1.34	0.82	MOONEY	3-9-15/2:00	A	COLILERT					
9	12 WILLIAMS ST.	DIS	MOONEY	3-9-15/11:10	1.10	1.10	0.78	MOONEY	3-9-15/2:00	A	COLILERT					
10	NORTHWEST STA.	DIS	MOONEY	3-9-15/11:35	1.47	1.47	0.76	MOONEY	3-9-15/2:00	A	COLILERT					
11	WELLHOUSE	DIS	MOONEY	3-9-15/12:00	1.38	1.37	0.75	MOONEY	3-9-15/2:00	A	COLILERT					
12	WESTERN STA.	DIS	MOONEY	3-9-15/12:30	1.24	1.24	0.73	MOONEY	3-9-15/2:00	A	COLILERT					
13	MANCHESTER TOWN OFFICE	DIS	MOONEY	3-17-15/10:00	0.69	0.69	0.70	MOONEY	3-17-15/2:30	A	COLILERT					
14	WELLHOUSE	DIS	MOONEY	3-17-15/10:30	1.31	1.29	0.76	MOONEY	3-17-15/2:30	A	COLILERT					
15	NORTHWEST STA.	DIS	MOONEY	3-17-15/10:55	1.40	1.40	0.70	MOONEY	3-17-15/2:30	A	COLILERT					
16	WESTERN STA.	DIS	MOONEY	3-17-15/11:20	1.09	1.09	0.71	MOONEY	3-17-15/2:30	A	COLILERT					
17	12 WILLIAMS ST.	DIS	MOONEY	3-17-15/11:45	1.35	1.35	0.70	MOONEY	3-17-15/2:30	A	COLILERT					
18	HOSPITAL ST. STA.	DIS	MOONEY	3-17-15/12:00	1.15	1.17	0.71	MOONEY	3-17-15/2:30	A	COLILERT					
19	QUALITY INN	DIS	MOONEY	3-17-15/12:35	0.78	0.79	0.68	MOONEY	3-17-15/2:30	A	COLILERT					
20	WESTERN STA.	DIS	MOONEY	3-24-15/9:00	1.08	1.08	0.71	MOONEY	3-24-15/12:00	A	COLILERT					
21	WELLHOUSE	DIS	MOONEY	3-24-15/9:20	1.43	1.40	0.70	MOONEY	3-24-15/12:00	A	COLILERT					
22	NORTHWEST STA.	DIS	MOONEY	3-24-15/9:45	1.39	1.40	0.70	MOONEY	3-24-15/12:00	A	COLILERT					
23	12 WILLIAMS ST.	DIS	MOONEY	3-24-15/10:15	1.18	1.19	0.73	MOONEY	3-24-15/12:00	A	COLILERT					
24	HOSPITAL ST. STA.	DIS	MOONEY	3-24-15/10:35	1.16	1.16	0.71	MOONEY	3-24-15/12:00	A	COLILERT					
25	FARRINGTON SCHOOL	DIS	MOONEY	3-24-15/3:25	1.18	1.18	0.70	MOONEY	3-25-15/7:15	A	COLILERT					
26	WESTERN STA.	DIS	MOONEY	3-30-15/10:15	1.23	1.23	0.68	MOONEY	3-30-15/1:30	A	COLILERT					
27	WELLHOUSE	DIS	MOONEY	3-30-15/10:35	1.42	1.41	0.72	MOONEY	3-30-15/1:30	A	COLILERT					
28	NORTHWEST STA.	DIS	MOONEY	3-30-15/11:00	1.40	1.41	0.69	MOONEY	3-30-15/1:30	A	COLILERT					
29	12 WILLIAMS ST.	DIS	MOONEY	3-30-15/11:25	1.33	1.31	0.68	MOONEY	3-30-15/1:30	A	COLILERT					
30	HOSPITAL ST. STA.	DIS	MOONEY	3-30-15/11:55	1.22	1.21	0.65	MOONEY	3-30-15/1:30	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	3-17-15/7:15	0.00	0.00		MOONEY	3-17-15/9:15							0.4ml

Monthly Well Production Report
System Type - All GW systems

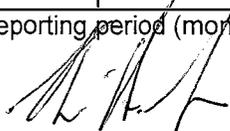
System Name: **Greater Augusta Utility District**

PWSID#: **90080**

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

e-mail address: **btarbuck@greataugustautilitydistrict.org**

Reporting period (month and year): **March - 15**

Signature:  Date: **4/10/2015**

System Information

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

Select one

Community System →

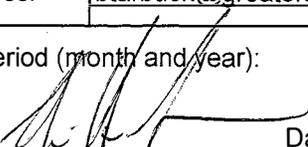
Non-transient Non-community →

Transient Non-Community →

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

List any operation problems or comments:

Daily water production (MG)				
Date	Triangle Well	South Well	Brookside Well	Sum
1	0.38	1.16	0.00	1.54
2	0.84	1.14	0.00	1.98
3	0.61	1.14	0.12	1.87
4	0.84	1.14	0.00	1.98
5	0.80	1.12	0.15	2.07
6	0.57	1.14	0.25	1.96
7	0.53	1.15	0.02	1.70
8	0.83	1.13	0.00	1.96
9	0.48	1.13	0.18	1.79
10	0.47	1.14	0.28	1.90
11	0.58	1.13	0.23	1.95
12	0.80	1.11	0.17	2.08
13	0.83	1.13	0.00	1.96
14	0.52	1.15	0.00	1.67
15	0.60	1.15	0.00	1.75
16	0.66	1.15	0.00	1.82
17	0.43	1.10	0.24	1.77
18	0.61	1.12	0.43	2.16
19	0.54	1.13	0.34	2.00
20	0.53	1.14	0.20	1.87
21	0.40	1.15	0.11	1.66
22	0.72	1.13	0.00	1.85
23	0.23	1.13	0.57	1.93
24	0.42	1.13	0.46	2.00
25	0.40	1.13	0.45	1.98
26	0.15	1.13	0.53	1.81
27	0.18	1.12	0.69	2.00
28	0.00	1.15	0.73	1.87
29	0.00	1.14	0.70	1.84
30	0.43	1.13	0.45	2.01
31	0.37	1.15	0.41	1.93
Sum	15.76	35.21	7.71	58.68

Monthly Operating Report
System Type - All GW systems
 System Name: **Greater Augusta Utility District**
 PWSID#: 90080
 Designated operator name and ME License #: Brian Tarbuck / 2026
 e-mail address: btarbuck@greataugustautilitydistrict.org
 Reporting period (month and year): **March - 15**
 Signature:  Date: 4/10/2015

System Information
 Treatment plant/pump station: **Triangle Station**
 Community water system
 List any new or changed system information (facilities, treatments, sources, operators, address, tele, ect.):
 List any operational problems or comments:

Daily water production		
Date	Gallons (MGD)	pH
1	1.54	7.57
2	1.98	7.57
3	1.87	7.56
4	1.98	7.57
5	2.07	7.57
6	1.96	7.56
7	1.70	7.57
8	1.96	7.57
9	1.79	7.56
10	1.90	7.56
11	1.95	7.56
12	2.08	7.57
13	1.96	7.58
14	1.67	7.57
15	1.75	7.57
16	1.82	7.57
17	1.77	7.57
18	2.16	7.56
19	2.00	7.56
20	1.87	7.57
21	1.66	7.57
22	1.85	7.58
23	1.93	7.54
24	2.00	7.55
25	1.98	7.54
26	1.81	7.53
27	2.00	7.52
28	1.87	7.50
29	1.84	7.50
30	2.01	7.54
31	1.93	7.55
Summary	58.68	7.56
	Sum	Average

From table below:
 List units: (i.e. lbs, gal)

Chemical usage						Ave free chlorine residual
Calc	Hypo	NaF	4	5	6	
gal	gal	lbs				mg/l
2	23	0				1.23
1	17	100				1.23
2	22	100				1.24
4	21	0				1.29
1	14	0				1.34
1	26	100				1.35
1	20	0				1.33
1	20	0				1.31
2	22	50				1.33
7	21	0	problem with level sensor			1.35
2	21	0				1.34
6	23	100				1.34
1	26	0				1.34
1	23	0				1.32
1	19	0				1.31
2	21	100				1.30
0	21	0				1.34
3	23	0				1.28
2	28	0				1.34
1	24	100				1.32
0	21	0				1.31
1	21	0				1.30
3	24	0				1.33
4	22	0				1.33
1	23	100				1.33
1	24	0				1.33
1	21	0				1.35
1	24	0				1.34
2	23	0				1.34
1	22	0				1.31
1	24	0				1.29
39	685	750				1.23
(total)	(total)	(total)	(total)	(total)	(total)	(min.)

Chemicals Used
 (report fluoride info on separate fluoride form)

Number	Chemical Name	Purpose	Chemical Strength
1	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Sodium hypochlorite	primary and secondary disinfection	12.50%
3	Sodium fluoride	fluoridation	
4			
5			
6			
Disinfectant			

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	25	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	1.21

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 2015

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo GAL	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2					
3	52,226		.92	.98	.19
4	22,891		.97	1.14	.14
5	19,451		.98	1.09	.20
6	22,938		.98	.99	.19
7					
8					
9	36,394		.90	.99	.17
10	19,417		.96	.99	.15
11	19,619	.5	.97	1.03	.13
12	18,190	1.0	.98	1.46	.20
13	25,713	1.5	.98	1.48	.26
14					
15	15,469	.5	.98	1.22	.19
16	4,491		1.00	1.40	.28
17	25,955	1.5	1.01	1.42	.29
18	11,987	.5	1.05	1.20	.35
19	18,051	1.0	.99	1.40	.36
20	17,475	.25	.99	1.24	.35
21					
22	10,917		.91	1.18	.19
23	11,948	.75	.90	1.19	.13
24	19,226	.75	1.02	1.38	.29
25	20,937	.75	1.02	1.37	.30
26	20,892	.75	.93	1.29	.51
27	19,016	.75	1.04	1.27	.53
28					
29	24,752	1.0	1.09	1.43	.39
30	8,010	.25	1.09	1.44	.40
31	465,964	10.75 GAL			

312,792

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 2015

Signature: B. Baker

Date	Water Treated Gallons	1% Hypo GAL	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2	11,357		.90	1.08	.13
3	4,744		.99	1.12	.08
4	4,450		.98	.99	
5					
6	7,264	.5	.98	.99	.11
7					
8					
9	8,973		.99	1.37	.43
10					
11	7,368	1.0	.94	1.01	.43
12	3,705		1.00	1.20	.47
13	4,839		1.02	1.04	.09
14					
15					
16	7,922	.5	1.08	1.12	.19
17	4,700		.94	1.12	.39
18	2,894		.98	1.11	.28
19					
20	7,198	.25	.98	1.10	.30
21					
22					
23	8,556		.98	1.29	.35
24					
25	8,399	.5	1.10	1.36	.36
26	3,392		1.01	1.34	.38
27					
28					
29	7,597		1.00	1.20	.45
30	4,521	.5	1.01	1.36	.96
31	107,379	3.25 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: MAR 2015

Signature: B-Baker

Date	Water Treated Gallons	1% Hypo GAL	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	10,494	.25	1.01	1.23	
2	2,628		1.04	1.19	.39
3					
4	8,242	.75	.98	1.12	.53
5	3,422		.99	1.05	
6	3,517		.94	1.33	.70
7					
8	8,268	.5	.96	1.12	.33
9	2,328		.96	1.26	.52
10	3,941		.96	1.20	.43
11	4,066		1.05	1.11	.52
12	4,501	.75	1.08	1.15	.55
13	4,938		1.05	1.09	.25
14					
15	10,883	.50	1.07	1.43	.49
16					
17	4,651		.98	1.28	.40
18	3,865	.50	.98	1.26	.44
19					
20	7,182		.99	1.19	.35
21					
22					
23	11,449	.25	.98	1.23	.43
24					
25					
26	12,070	.25	.97	1.26	.44
27	3,629	.50	1.00	1.27	.46
28					
29	9,884		.99	1.08	.50
30	4,000	.25	1.06	1.18	.87
	123,958	14.5 GAL			

94376

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:

2015

Public Water System Information	
System's name:	East Pittston H ₂ O
Sampler's phone #:	242-6252
PWSID#:	92255
Address:	1200 East Pittston Road Pittston Maine 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 #:	622-4633 x 4263
email jmooney@augustawater.org	

#	Sample collection point	Date & time sample was taken	Laboratory sample ID #	Date & time sample was processed	Total Coliform count	Noncoliform count (Mem. filtration only)	Fecal coliform or E. Coli (2)	EPA/STD Method
1	Village Store	3/11/15 12:40	150313	3/12 @ 7:30	0			9223D
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

David Smith, Vice-chair
dsmith@greataugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greataugustautilitydistrict.org

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greataugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greataugustautilitydistrict.org

Kirsten Hebert
khebert@greataugustautilitydistrict.org

Don Roberts
droberts@greataugustautilitydistrict.org

Sukey Sikora
ssikora@greataugustautilitydistrict.org

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

May 8, 2015

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

Dear Mr. Pushard:

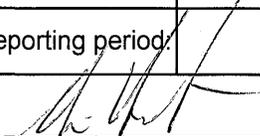
Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of April, 2015. You should find the following documents:

1. Fluoridation Report;
2. Total Coliform Monitoring Report;
3. South Well, Brookside Well and Triangle Well pump report;
4. Triangle Station Monthly Operating Report; and
5. 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
General Manager

Monthly Fluoride Report		System Information		
System Type - Fluoride Systems		Treatment plant: Triangle Station		
System Name:	Greater Augusta Utility District	Chemical Used: Sodium Fluoride		
PWSID#:	90080			
Reporting period:	March - 15	Notes: See notes below for specific operating conditions.		
Signature: 	Date: 5/8/2015	Date	GAUD mg/L	Location
		4/14/2015 10:10	0.52	Triangle Station
				HETL mg/L
				0.5

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.98	79.81	0.72	0.73
2	1.98	82.87	0.73	0.75
3	1.96	78.85	0.75	0.72
4	1.79	82.89	0.72	0.83
5	1.87	70.75	0.75	0.68
6	1.89	73.76	0.73	0.70
7	1.74	72.57	0.68	0.75
8	1.74	70.79	0.69	0.73
9	1.82	71.77	0.69	0.71
10	1.74	71.82	0.71	0.74
11	1.78	74.88	0.69	0.76
12	1.57	66.74	0.69	0.77
13	1.92	77.81	0.71	0.73
14	1.82	81.85	0.65	0.81
15	1.88	74.80	0.63	0.72
16	1.67	77.86	0.24	0.84
17	1.88	73.79	0.53	0.70
18	1.86	101.06	1.06	0.98
19	1.85	106.12	0.22	1.03
20	1.64	13.68	0.00	0.15
21	1.66	43.49	0.44	0.47
22	1.91	64.22	0.64	0.61
23	1.88	66.23	0.65	0.63
24	1.90	66.62	0.66	0.63
25	1.88	63.59	0.65	0.61
26	1.86	65.61	0.66	0.63
27	1.88	66.72	0.68	0.64
28	1.90	63.73	0.73	0.61
29	1.64	66.78	0.62	0.73
30	1.92	57.61	0.68	0.54
Avg	1.83	70.97	0.63	0.70
Min	1.57	13.68	0.22	0.15
Max	1.98	106.12	1.06	1.03
Total	54.82	2,129.06		

Operating comments

4/6 computer shutdown and reboot

4/9 Power fail, restarted computer

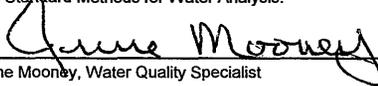
Fluoride offline for cleaning

F- system pressure relief valve leak
Repaired pressure relief valve on F- system

4/22 Computer troubleshoot, shutdowns and restarts

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	24
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	4-7-15/9:00	1.08	1.08	0.69	MOONEY	4-7-15/2:15	A	COLILERT				
2	WELLHOUSE	DIS	MOONEY	4-7-15/9:20	1.13	1.12	0.57	MOONEY	4-7-15/2:15	A	COLILERT				
3	NORTHWEST STA.	DIS	MOONEY	4-7-15/9:50	1.21	1.21	0.95	MOONEY	4-7-15/2:15	A	COLILERT				
4	WILLOW ST. STA.	DIS	MOONEY	4-7-15/10:10	1.18	1.17	0.68	MOONEY	4-7-15/2:15	A	COLILERT				
5	12 WILLIAMS ST.	DIS	MOONEY	4-7-15/10:25	1.09	1.10	0.56	MOONEY	4-7-15/2:15	A	COLILERT				
6	HOSPITAL ST. STA.	DIS	MOONEY	4-7-15/10:40	1.22	1.20	0.68	MOONEY	4-7-15/2:15	A	COLILERT				
7	TOGUS STA.	DIS	MOONEY	4-7-15/11:10	1.03	1.03	0.69	MOONEY	4-7-15/2:15	A	COLILERT				
8	WESTERN STA.	DIS	MOONEY	4-14-15/9:50	1.11	1.11	0.74	MOONEY	4-14-14/2:15	A	COLILERT				
9	WELLHOUSE	DIS	MOONEY	4-14-15/10:10	1.20	1.18	0.52	MOONEY	4-14-14/2:15	A	COLILERT				
10	NORTHWEST STA.	DIS	MOONEY	4-14-15/10:40	1.36	1.36	0.69	MOONEY	4-14-14/2:15	A	COLILERT				
11	12 WILLIAMS ST.	DIS	MOONEY	4-14-15/11:10	1.20	1.20	0.55	MOONEY	4-14-14/2:15	A	COLILERT				
12	HOSPITAL ST. STA.	DIS	MOONEY	4-14-15/11:30	1.31	1.32	0.66	MOONEY	4-14-14/2:15	A	COLILERT				
13	QUALITY INN	DIS	MOONEY	4-14-15/12:00	1.03	1.04	0.71	MOONEY	4-14-14/2:15	A	COLILERT				
14	WESTERN STA.	DIS	MOONEY	4-21-15/12:00	1.24	1.25	0.30	MOONEY	4-22-15/7:30	A	COLILERT				
15	MANCHESTER TOWN OFFICE	DIS	MOONEY	4-21-15/12:20	0.69	0.69	0.70	MOONEY	4-22-15/7:30	A	COLILERT				
16	WELLHOUSE	DIS	MOONEY	4-21-15/12:50	1.42	1.41	0.75	MOONEY	4-22-15/7:30	A	COLILERT				
17	NORTHWEST STA.	DIS	MOONEY	4-21-15/1:15	1.46	1.46	1.01	MOONEY	4-22-15/7:30	A	COLILERT				
18	12 WILLIAMS ST.	DIS	MOONEY	4-21-15/1:50	1.22	1.21	<.2	MOONEY	4-22-15/7:30	A	COLILERT				
19	HOSPITAL ST. STA.	DIS	MOONEY	4-21-15/2:10	1.29	1.29	0.20	MOONEY	4-22-15/7:30	A	COLILERT				
20	WESTERN STA.	DIS	MOONEY	4-28-15/10:25	1.21	1.21	0.60	MOONEY	4-28-15/1:45	A	COLILERT				
21	WELLHOUSE	DIS	MOONEY	4-28-15/10:45	1.41	1.44	0.60	MOONEY	4-28-15/1:45	A	COLILERT				
22	NORTHWEST STA.	DIS	MOONEY	4-28-15/11:10	1.47	1.46	0.62	MOONEY	4-28-15/1:45	A	COLILERT				
23	12 WILLIAMS ST.	DIS	MOONEY	4-28-15/11:35	1.45	1.43	0.60	MOONEY	4-28-15/1:45	A	COLILERT				
24	HOSPITAL ST. STA.	DIS	MOONEY	4-28-15/11:55	1.31	1.30	0.61	MOONEY	4-28-15/1:45	A	COLILERT				
*	LAB DISTILLED WATER	QC	MOONEY	4-28-15/7:15	0.01	0.00		MOONEY	4-28-15/9:10						0:4ML

Monthly Well Production Report
System Type - All GW systems

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

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

e-mail address: **btarbuck@greateraugustautilitydistrict.org**

Reporting period (month and year): **April - 15**

Signature:  Date: **5/8/2015**

System Information

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

Select one

Community System →

Non-transient Non-community →

Transient Non-Community →

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

List any operation problems or comments:

Daily water production (MG)				
Date	Triangle Well	South Well	Brookside Well	Sum
1	0.12	1.14	0.71	1.98
2	0.17	1.13	0.68	1.98
3	0.11	1.15	0.71	1.96
4	0.30	1.14	0.34	1.79
5	0.00	1.15	0.72	1.87
6	0.34	1.11	0.44	1.89
7	0.58	0.44	0.72	1.74
8	0.68	0.34	0.72	1.74
9	0.85	0.26	0.71	1.82
10	0.86	0.15	0.73	1.74
11	0.56	0.53	0.69	1.78
12	0.74	0.07	0.75	1.57
13	0.67	0.55	0.70	1.92
14	0.61	0.49	0.72	1.82
15	0.59	0.60	0.69	1.88
16	0.17	0.74	0.76	1.67
17	0.00	1.17	0.72	1.88
18	0.00	1.16	0.70	1.86
19	0.00	1.16	0.70	1.85
20	0.00	0.90	0.74	1.64
21	0.00	0.89	0.77	1.66
22	0.00	1.17	0.73	1.91
23	0.00	1.17	0.72	1.88
24	0.00	1.17	0.73	1.90
25	0.00	1.16	0.71	1.88
26	0.00	1.16	0.70	1.86
27	0.00	1.16	0.72	1.88
28	0.00	1.16	0.73	1.90
29	0.00	0.86	0.79	1.64
30	0.00	1.17	0.75	1.92
Sum	7.34	26.47	21.01	54.82

Monthly Operating Report
System Type - All GW systems
 System Name: **Greater Augusta Utility District**
 PWSID#: 90080
 Designated operator name and ME License #: Brian Tarbuck / 2026
 e-mail address: btarbuck@greateraugustacitydistrict.org
 Reporting period (month and year): **April - 15**
 Signature: *[Signature]* Date: 5/8/2015

System Information
 Treatment plant/pump station: **Triangle Station**
 Community water system
 List any new or changed system information (facilities, treatments, sources, operators, address, tele, ect.):
 List any operational problems or comments:

Daily water production

Date	Gallons (MGD)	pH
1	1.98	7.52
2	1.98	7.53
3	1.96	7.53
4	1.79	7.57
5	1.87	7.52
6	1.89	7.56
7	1.74	7.53
8	1.74	7.54
9	1.82	7.55
10	1.74	7.54
11	1.78	7.52
12	1.57	7.53
13	1.92	7.53
14	1.82	7.53
15	1.88	7.53
16	1.67	7.52
17	1.88	7.55
18	1.86	7.55
19	1.85	7.14
20	1.64	7.53
21	1.66	7.53
22	1.91	7.55
23	1.88	7.55
24	1.90	7.55
25	1.88	7.56
26	1.86	7.56
27	1.88	7.56
28	1.90	7.56
29	1.64	7.53
30	1.92	7.56
Summary	54.82	7.56

Sum Average

From table below:
 List units: (i.e. lbs, gal)

Chemical usage

Calc	Hypo	NaF	4	5	6	Ave free chlorine residual
gal	gal	lbs				mg/l
1	23	0				1.32
2	24	100				1.31
0	23	0				1.31
2	22	0				1.25
2	22	0				1.29
1	22	100				1.26
1	19	0				1.30
2	12	0				1.37
1	21	0				1.39
1	21	0				1.37
1	21	0				1.38
0	22	0				1.34
1	18	0				1.39
1	24	0				1.37
3	22	0				1.36
2	24	0				1.38
1	20	550				1.42
1	22	0				1.40
-1	22	0				1.32
4	22	0				1.37
1	19	0				1.37
1	20	0				1.39
1	22	0				1.38
2	23	100				1.38
1	24	0				1.38
1	23	0				1.36
1	21	50				1.36
1	23	0				1.36
1	23	0				1.32
0	19	0				1.36
35	644	900				1.35
(total)	(total)	(total)	(total)	(total)	(total)	(min.)

Chemicals Used

(report fluoride info on separate fluoride form)

Number	Chemical Name	Purpose	Chemical Strength
1	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Sodium hypochlorite	primary and secondary disinfection	12.50%
3	Sodium fluoride	fluoridation	
4			
5			
6			
Disinfectant			

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

Number of routine samples taken:	24	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	1.22

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: APR 2015

Signature: R-TA

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	45,695	1.75	1.01	1.34	.40
2					
3	34,129	1.25	1.03	1.11	.43
4					
5	9,900		1.01	1.19	.31
6	13,883	.75	1.01	1.22	.33
7	15,784	.75	1.00	1.16	.24
8					
9	43,514	1.75	1.0	1.25	.45
10					
11					
12	30,972	1.5	1.00	1.20	.33
13	12,341	.5	.97	1.09	.21
14	20,381	1.0	.99	1.20	.34
15					
16	33,017	1.75	1.07	1.43	.40
17	15,485	.75	1.05	1.28	.43
18					
19					
20					
21					
22					
23	78,796	4.0	1.01	1.33	.44
24	17,172	1.0	1.02	1.18	.24
25					
26					
27	28,783	1.5	.97	1.23	.36
28	17,174	.75	.97	1.49	.31
29					
30					
Total	417,026	19.0			

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: APR 2015

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	8696	1.5	1.00	1.30	.40
2					
3	6922		1.01	1.35	.46
4					
5	4970	.75	.99	1.37	.40
6	3,099	.75	.98	1.35	.32
7	3,773		.98	1.40	.44
8	5,113		.94	.95	.16
9	5,286		.90	.99	.32
10					
11					
12	19,115	.25	.91	1.00	.31
13	5967		.97	1.12	.33
14					
15					
16	22,467	.75	.99	1.46	.37
17	7,375		.99	1.08	.21
18					
19					
20					
21					
22					
23	43,959	2.0	.98	1.21	.37
24	8,390		1.02	1.30	.55
25					
26					
27	21,865		.96	1.01	.30
28	7,886		1.05	1.15	.40
29					
30					
	174,886	6.0			

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: APR 2015

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	9,128	.75	.99	1.30	.41
2					
3	5,980		.99	1.73	.43
4					
5	6,507		.99	1.10	.30
6	2,450		1.02	1.03	.29
7	3,677	.25	1.01	1.35	.49
8	4,149		1.04	1.30	.47
9	3,278		1.04	1.07	.68
10					
11					
12	14,627	1.0	1.02	1.32	.55
13					
14					
15					
16	26,563	2.0	1.04	1.34	.56
17	3,423		1.03	1.30	.48
18					
19	7,928	.5	1.00	1.35	.40
20					
21					
22					
23	15,260	.75	1.01	1.26	.36
24	3,422	.25	1.01	1.40	.55
25					
26	7,193	.5	1.01	1.40	.40
27	3,835		.96	1.09	.72
28					
29					
30					
	117,420	6.0			

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

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greateraugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Sukey Sikora
ssikora@greateraugustautilitydistrict.org

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

June 9, 2015

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

Dear Mr. Pushard:

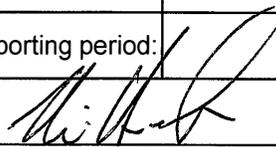
Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of May, 2015. You should find the following documents:

1. Fluoridation Report;
2. Total Coliform Monitoring Report;
3. South Well, Brookside Well and Triangle Well pump report;
4. Triangle Station Monthly Operating Report; and
5. 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
General Manager

Monthly Fluoride Report		System Information			
System Type - Fluoride Systems		Treatment plant: Triangle Station			
System Name:	Greater Augusta Utility District	Chemical Used: Sodium Fluoride			
PWSID#:	90080				
Reporting period:	May - 15	Notes: See notes below for specific operating conditions.			
Signature: 	Date: 6/10/2015	Date	GAUD mg/L	Location	HETL mg/L
		5/20/2015 0:00	0.62	Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.95	62.74	0.62	0.58
2	1.93	66.69	0.66	0.62
3	1.61	67.70	0.65	0.76
4	1.60	55.55	0.65	0.62
5	2.29	75.87	0.63	0.60
6	2.20	77.90	0.64	0.64
7	2.13	73.92	0.61	0.62
8	2.04	69.79	0.60	0.62
9	1.69	61.69	0.62	0.66
10	1.96	64.83	0.63	0.59
11	2.62	83.89	0.61	0.58
12	1.97	85.91	0.62	0.78
13	1.89	65.65	0.63	0.63
14	2.04	64.76	0.62	0.57
15	1.87	66.78	0.63	0.64
16	1.66	59.58	0.62	0.65
17	1.63	56.66	0.63	0.63
18	2.05	65.69	0.64	0.58
19	1.86	67.71	0.64	0.65
20	1.91	62.72	0.64	0.59
21	1.98	65.71	0.65	0.60
22	1.98	67.73	0.64	0.62
23	1.72	63.73	0.67	0.67
24	1.71	59.70	0.69	0.63
25	1.89	63.74	0.66	0.61
26	2.06	68.81	0.68	0.60
27	2.14	73.76	0.66	0.62
28	2.29	75.76	0.64	0.59
29	1.92	75.78	0.66	0.71
30	1.96	64.66	0.66	0.60
31	1.81	66.69	0.67	0.66
Avg	1.95	67.81	0.64	0.63
Min	1.60	55.55	0.22	0.57
Max	2.62	85.91	0.69	0.78
Total	60.37	2,102.10		

Operating comments

Bacteriological Report Form

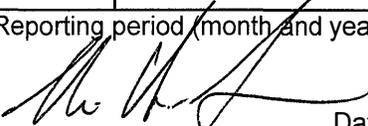
Utility: Greater Augusta Utility District, PWSID ME0090080
Greater Augusta Utility District Laboratory, ME00012

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.

Number of samples required	15
Number of samples taken for compliance	25
Number of quality control samples	1
Number of positive samples	0

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	5-6-15/9:20	1.09	1.09	0.64	MOONEY	5-7-15/8:00	A	COLILERT					
2	WELLHOUSE	DIS	MOONEY	5-6-15/9:45	1.59	1.56	0.56	MOONEY	5-7-15/8:00	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	5-6-15/10:10	1.35	1.35	0.58	MOONEY	5-7-15/8:00	A	COLILERT					
4	WILLOW ST. STA.	DIS	MOONEY	5-6-15/10:30	1.32	1.31	0.60	MOONEY	5-7-15/8:00	A	COLILERT					
5	12 WILLIAMS ST.	DIS	MOONEY	5-6-15/10:50	1.53	1.52	0.58	MOONEY	5-7-15/8:00	A	COLILERT					
6	HOSPITAL ST. STA.	DIS	MOONEY	5-6-15/11:10	1.49	1.48	0.58	MOONEY	5-7-15/8:00	A	COLILERT					
7	QUALITY INN	DIS	MOONEY	5-6-15/11:30	0.89	0.89	0.66	MOONEY	5-7-15/8:00	A	COLILERT					
8	WESTERN STA.	DIS	MOONEY	5-13-15/9:20	1.13	1.12	0.62	MOONEY	5-13-15/2:15	A	COLILERT					
9	GREYBIRCH	DIS	MOONEY	5-13-15/9:40	1.01	1.02	0.62	MOONEY	5-13-15/2:15	A	COLILERT					
10	K.V. CREDIT UNION	DIS	MOONEY	5-13-15/10:15	1.25	1.25	0.59	MOONEY	5-13-15/2:15	A	COLILERT					
11	NORTHWEST STA.	DIS	MOONEY	5-13-15/10:35	1.41	1.39	0.58	MOONEY	5-13-15/2:15	A	COLILERT					
12	WELLHOUSE	DIS	MOONEY	5-13-15/10:50	1.54	1.52	0.63	MOONEY	5-13-15/2:15	A	COLILERT					
13	12 WILLIAMS ST.	DIS	MOONEY	5-13-15/11:30	1.24	1.23	0.56	MOONEY	5-13-15/2:15	A	COLILERT					
14	HOSPITAL ST. STA.	DIS	MOONEY	5-13-15/11:55	1.35	1.35	0.60	MOONEY	5-13-15/2:15	A	COLILERT					
15	MANCHESTER TOWN OFFICE	DIS	MOONEY	5-19-15/10:10	0.63	0.63	0.60	MOONEY	5-19-15/1:45	A	COLILERT					
16	WESTERN STA.	DIS	MOONEY	5-19-15/10:30	1.25	1.25	0.56	MOONEY	5-19-15/1:45	A	COLILERT					
17	WELLHOUSE	DIS	MOONEY	5-19-15/10:55	1.26	1.24	0.61	MOONEY	5-19-15/1:45	A	COLILERT					
18	NORTHWEST STA.	DIS	MOONEY	5-19-15/11:20	1.33	1.31	0.54	MOONEY	5-19-15/1:45	A	COLILERT					
19	12 WILLIAMS ST.	DIS	MOONEY	5-19-15/11:45	1.25	1.24	0.55	MOONEY	5-19-15/1:45	A	COLILERT					
20	HOSPITAL ST. STA.	DIS	MOONEY	5-19-15/12:00	1.35	1.33	0.56	MOONEY	5-19-15/1:45	A	COLILERT					
21	WESTERN STA.	DIS	MOONEY	5-26-15/10:00	1.16	1.17	0.64	MOONEY	5-26-15/1:45	A	COLILERT					
22	WELLHOUSE	DIS	MOONEY	5-26-15/10:20	1.50	1.45	0.63	MOONEY	5-26-15/1:45	A	COLILERT					
23	NORTHWEST STA.	DIS	MOONEY	5-26-15/10:45	1.31	1.29	0.64	MOONEY	5-26-15/1:45	A	COLILERT					
24	12 WILLIAMS ST.	DIS	MOONEY	5-26-15/11:20	1.45	1.43	0.62	MOONEY	5-26-15/1:45	A	COLILERT					
25	HOSPITAL ST. STA.	DIS	MOONEY	5-26-15/11:40	1.38	1.38	0.64	MOONEY	5-26-15/1:45	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	5-19-15/7:10	0.01	0.01		MOONEY	5-19-15/9:15							0:4ML

Monthly Well Production Report	
System Type - All GW systems	
System Name:	Greater Augusta Utility District
PWSID#:	90080
Designated operator name and ME License #:	Brian Tarbuck 2026
e-mail address:	btarbuck@greteraugustautilitydistrict.org
Reporting period (month and year):	May - 15
Signature: 	Date: 6/10/2015

System Information	
Treatment plant/pump station:	All wells
	Select one
Community System →	<input checked="" type="checkbox"/>
Non-transient Non-community →	<input type="checkbox"/>
Transient Non-Community →	<input type="checkbox"/>
List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
List any operation problems or comments:	

Daily water production (MG)				
Date	Triangle Well	South Well	Brookside Well	Sum
1	0.00	1.18	0.78	1.95
2	0.00	1.17	0.76	1.93
3	0.00	0.83	0.79	1.61
4	0.00	0.80	0.80	1.60
5	0.53	1.12	0.64	2.29
6	0.55	0.97	0.68	2.20
7	0.53	0.88	0.72	2.13
8	0.49	0.82	0.73	2.04
9	0.08	0.82	0.79	1.69
10	0.38	0.84	0.74	1.96
11	0.85	1.13	0.64	2.62
12	0.38	0.84	0.75	1.97
13	0.22	0.91	0.76	1.89
14	0.47	0.85	0.73	2.04
15	0.50	0.62	0.76	1.87
16	0.91	0.39	0.36	1.66
17	0.91	0.21	0.51	1.63
18	0.89	0.41	0.75	2.05
19	0.89	0.53	0.44	1.86
20	0.89	0.52	0.50	1.91
21	0.88	0.59	0.51	1.98
22	0.88	0.73	0.37	1.98
23	0.47	1.20	0.05	1.72
24	0.50	1.20	0.01	1.71
25	0.56	1.19	0.15	1.89
26	0.88	1.18	0.00	2.06
27	0.88	1.18	0.09	2.14
28	0.72	1.04	0.54	2.29
29	0.48	1.18	0.25	1.92
30	0.50	1.18	0.28	1.96
31	0.53	1.19	0.09	1.81
Sum	16.71	27.67	15.99	60.37

Monthly Operating Report

System Type - All GW systems

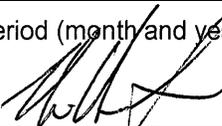
System Name: **Greater Augusta Utility District**

PWSID#: **90080**

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

e-mail address: **btarbuck@greataugustautilitydistrict.org**

Reporting period (month and year): **May - 15**

Signature:  Date: **6/10/2015**

System Information

Treatment plant/pump station: **Triangle Station**
Community water system

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

List any operational problems or comments:

Daily water production

Date	Gallons (MGD)	pH
1	1.95	7.56
2	1.93	7.56
3	1.61	7.54
4	1.60	7.53
5	2.29	7.59
6	2.20	7.58
7	2.13	7.56
8	2.04	7.56
9	1.69	7.54
10	1.96	7.55
11	2.62	7.60
12	1.97	7.56
13	1.89	7.56
14	2.04	7.57
15	1.87	7.55
16	1.66	7.63
17	1.63	7.61
18	2.05	7.59
19	1.86	7.62
20	1.91	7.61
21	1.98	7.61
22	1.98	7.62
23	1.72	7.66
24	1.71	7.68
25	1.89	7.68
26	2.06	7.66
27	2.14	7.67
28	2.29	7.63
29	1.92	7.69
30	1.96	7.67
31	1.81	7.71
Summary	60.37	7.60

Sum Average

From table below:

List units: (i.e. lbs, gal)

Chemical usage						Ave free chlorine residual
Calc	Hypo	NaF	4	5	6	
gal	gal	lbs				mg/L
1	23	100				1.37
2	24					1.36
2	23					1.31
0	18	50				1.30
1	29	0				1.40
2	17	0				1.43
1	27	0				1.41
1	26	100				1.40
3	26					1.39
2	20					1.38
-1	24	0				1.45
2	33	0				1.37
3	24	100				1.38
0	23	0				1.38
1	25	50				1.34
2	24					1.27
1	20					1.27
1	18	50				1.37
1	26	0				1.30
1	22	0				1.31
1	24	0				1.31
2	24	50				1.31
2	24					1.31
1	21					1.30
0	19					1.31
1	22	50				1.31
2	30	0				1.35
2	14	0				1.52
2	26	100				1.52
2	21					1.42
2	21					1.31
41	720	650				1.27
(total)	(total)	(total)	(total)	(total)	(total)	(min.)

Chemicals Used

(report fluoride info on separate fluoride form)

Number	Chemical Name	Purpose	Chemical Strength
1	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Sodium hypochlorite	primary and secondary disinfection	12.50%
3	Sodium fluoride	fluoridation	
4			
5			
6			

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

Number of routine samples taken:	25	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	1.28

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 2015

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	64,735	2.75	1.08	1.23	.17
2					
3					
4	26,884	1.5	.98	1.23	.22
5	42,223	2.75	1.01	1.40	.29
6	19,870	1.25	1.01	1.40	.33
7					
8					
9	13,722	.5	1.01	1.33	.35
10	20,110	.75	1.04	1.30	.36
11					
12	18,801	.75	1.01	1.15	.40
13					
14					
15	58,000	3.0	1.01	1.22	.41
16					
17	16,530	1.0	1.00	1.29	.45
18	7,000	.25	.93	1.14	.46
19					
20					
21	56,760	3.25	.98	1.24	.38
22					
23					
24	31,466	1.25	.97	1.21	.37
25					
26					
27					
28	44,378	2.5	.92	1.08	.25
29					
30					
31	37,005	3.25	.92	1.33	.04
Total	447,484	23.5			

334,635

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 2015

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	12,000		.99	1.09	.33
2					
3					
4	7829		.99	1.31	.39
5	3549	.5	.98	1.26	.33
6	3,370		1.00	1.39	.39
7					
8					
9	9873	1.0	.99	1.23	.40
10	5,588	.5	1.01	1.33	.44
11					
12	3621		1.01	1.49	.66
13					
14	5291	1.0	1.01	1.49	.38
15	2859	1.5	1.01	1.30	.83
16					
17	4310		1.00	1.25	.39
18	2,060	.5	1.07	1.35	.21
19					
20					
21	9976	.75	1.11	1.43	.41
22					
23					
24	7912	1.0	1.00	1.33	.40
25					
26					
27					
28	10,426	1.0	.93	1.37	.35
29					
30					
31	21269	3.0	.93	1.33	.36

Total 114,933 10.75

Building 207

Monthly Operating Report

System Type- All GW system

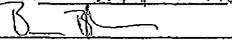
System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: MAY 2015

Signature: 

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	17,883	1.25	1.00	1.28	.71
2					
3	11,278	.5	.99	1.30	.43
4	4,236		.99		
5	3,674	.5	1.01	1.47	.55
6	4,970	1.0	1.02	1.34	.45
7	8,307	1.0	1.01	1.39	.55
8					
9	14,624	1.25	1.00	1.25	.50
10	4,335	.75	1.02	1.21	.51
11					
12	4,753		1.08	1.45	.66
13					
14					
15	14,985	1.0	1.01	1.33	.50
16					
17	9,695	1.0	1.01	1.35	.45
18	3,356		1.09	1.40	.49
19					
20					
21	15,201	1.25	.83	1.12	.43
22					
23					
24					
25					
26					
27					
28	34,258	2.5	1.03	1.31	.75
29					
30					
31	17,520	1.5	.98	1.40	.60

Total

196,075

13.5

Brian Tarbuck, General Manager
btarbuck@greataugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greataugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greataugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greataugustautilitydistrict.org

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greataugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greataugustautilitydistrict.org

Kirsten Hebert
khebert@greataugustautilitydistrict.org

Don Roberts
droberts@greataugustautilitydistrict.org

Sukey Sikora
ssikora@greataugustautilitydistrict.org

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

July 7, 2015

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

Dear Mr. Pushard:

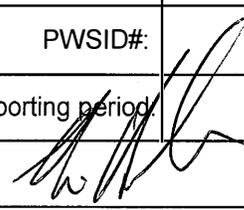
Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of June, 2015. You should find the following documents:

1. Fluoridation Report;
2. Total Coliform Monitoring Report;
3. South Well, Brookside Well and Triangle Well pump report;
4. Triangle Station Monthly Operating Report;
5. East Pittston (PWSID: 92255) Total Coliform Monitoring 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
General Manager

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:	June - 15				
Signature: 	Date: 7/7/2015	Date	GAUD mg/L	Location	HETL mg/L
		6/17/2015 8:50	0.68	Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.78	64	0.70	0.64
2	1.83	64	0.69	0.63
3	1.99	67	0.65	0.61
4	1.98	67	0.70	0.61
5	2.28	71	0.67	0.56
6	1.61	55	0.65	0.61
7	1.96	70	0.69	0.64
8	1.98	71	0.71	0.64
9	2.28	73	0.63	0.58
10	2.16	74	0.65	0.62
11	2.16	75	0.66	0.62
12	2.29	77	0.65	0.60
13	2.02	78	0.69	0.69
14	1.76	71	0.71	0.72
15	2.11	71	0.71	0.60
16	2.06	73	0.73	0.64
17	1.96	71	0.72	0.65
18	2.48	83	0.66	0.60
19	2.00	84	0.71	0.75
20	1.93	69	0.74	0.64
21	1.71	70	0.80	0.73
22	2.15	76	0.79	0.63
23	2.06	77	0.83	0.67
24	2.06	74	0.79	0.65
25	2.10	75	0.86	0.64
26	2.18	75	0.83	0.62
27	1.99	76	0.83	0.69
28	1.46	69	0.78	0.85
29	2.28	78	0.83	0.61
30	2.66	86	0.78	0.58
Avg	2.04	72.61	0.73	0.64
Min	1.46	54.63	0.63	0.56
Max	2.66	85.93	0.86	0.85
Total	61.27	2,178.30		

Operating comments

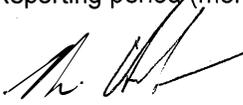
Bacteriological Report Form
Utility: Greater Augusta Utility District, PWSID ME0090080
Greater Augusta Utility District Laboratory, ME00012

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

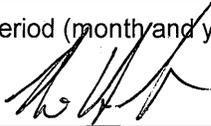
Number of samples required	15
Number of samples taken for compliance	30
Number of quality control samples	1
Number of positive samples	0

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	MANCHESTER TOWN OFFICE	DIS	MOONEY	6-3-15/10:25	0.64	0.64	0.60	MOONEY	6-3-15/2:45	A	COLILERT					
2	WESTERN STA.	DIS	MOONEY	6-3-15/11:00	1.05	1.04	0.61	MOONEY	6-3-15/2:45	A	COLILERT					
3	WELLHOUSE	DIS	MOONEY	6-3-15/11:30	1.18	1.17	0.62	MOONEY	6-3-15/2:45	A	COLILERT					
4	NORTHWEST STA.	DIS	MOONEY	6-3-15/12:05	1.05	1.05	0.58	MOONEY	6-3-15/2:45	A	COLILERT					
5	12 WILLIAMS ST.	DIS	MOONEY	6-3-15/12:35	1.07	1.06	0.64	MOONEY	6-3-15/2:45	A	COLILERT					
6	HOSPITAL ST. STA.	DIS	MOONEY	6-3-15/1:00	0.97	0.97	0.62	MOONEY	6-3-15/2:45	A	COLILERT					
7	WESTERN STA.	DIS	MOONEY	6-9-15/8:00	0.99	0.99	0.62	MOONEY	6-9-15/12:00	A	COLILERT					
8	WELLHOUSE	DIS	MOONEY	6-9-15/8:25	1.26	1.24	0.59	MOONEY	6-9-15/12:00	A	COLILERT					
9	NORTHWEST STA.	DIS	MOONEY	6-9-15/8:50	1.10	1.09	0.56	MOONEY	6-9-15/12:00	A	COLILERT					
10	WILLOW ST. STA.	DIS	MOONEY	6-9-15/9:15	1.03	0.99	0.62	MOONEY	6-9-15/12:00	A	COLILERT					
11	12 WILLIAMS ST.	DIS	MOONEY	6-9-15/9:35	1.20	1.19	0.58	MOONEY	6-9-15/12:00	A	COLILERT					
12	HOSPITAL ST. STA.	DIS	MOONEY	6-9-15/10:06	0.99	0.99	0.60	MOONEY	6-9-15/12:00	A	COLILERT					
13	1000 RIVERSIDE DR.	DIS	MOONEY	6-9-15/10:30	0.41	0.42	0.62	MOONEY	6-9-15/12:00	A	COLILERT					
14	FARRINGTON SCHOOL	DIS	MOONEY	6-9-15/3:20	0.87	0.87	0.72	MOONEY	6-10-15/7:30	A	COLILERT					
15	WESTERN STA.	DIS	MOONEY	6-16-15/10:25	1.02	1.02	0.62	MOONEY	6-17-15/8:15	A	COLILERT					
16	WELLHOUSE	DIS	MOONEY	6-16-15/10:40	1.15	1.16	0.66	MOONEY	6-17-15/8:15	A	COLILERT					
17	HOSPITAL ST. STA.	DIS	MOONEY	6-16-15/1:35	0.91	0.90	0.63	MOONEY	6-17-15/8:15	A	COLILERT					
18	12 WILLIAMS ST.	DIS	MOONEY	6-16-15/1:55	1.09	1.08	0.63	MOONEY	6-17-15/8:15	A	COLILERT					
19	NORTHWEST STA.	DIS	MOONEY	6-16-15/2:25	0.97	0.97	0.57	MOONEY	6-17-15/8:15	A	COLILERT					
20	WESTERN STA.	DIS	MOONEY	6-23-15/9:50	0.88	0.88	0.57	MOONEY	6-23-15/3:00	A	COLILERT					
21	WELLHOUSE	DIS	MOONEY	6-23-15/10:15	1.21	1.19	0.60	MOONEY	6-23-15/3:00	A	COLILERT					
22	NORTHWEST STA.	DIS	MOONEY	6-23-15/10:30	1.04	1.04	0.55	MOONEY	6-23-15/3:00	A	COLILERT					
23	12 WILLIAMS ST.	DIS	MOONEY	6-23-15/12:20	1.13	1.12	0.60	MOONEY	6-23-15/3:00	A	COLILERT					
24	HOSPITAL ST. STA.	DIS	MOONEY	6-23-15/12:40	0.95	0.94	0.59	MOONEY	6-23-15/3:00	A	COLILERT					
25	QUALITY INN	DIS	MOONEY	6-23-15/1:20	0.71	0.69	0.57	MOONEY	6-23-15/3:00	A	COLILERT					
26	HOSPITAL ST. STA.	DIS	MOONEY	6-30-15/11:15	1.07	1.06	0.56	MOONEY	6-30-15/3:00	A	COLILERT					
27	12 WILLIAMS ST.	DIS	MOONEY	6-30-15/11:35	1.16	1.15	0.56	MOONEY	6-30-15/3:00	A	COLILERT					
28	NORTHWEST STA.	DIS	MOONEY	6-30-15/1:00	0.99	0.99	0.56	MOONEY	6-30-15/3:00	A	COLILERT					
29	WELLHOUSE	DIS	MOONEY	6-30-15/1:20	1.24	1.21	0.59	MOONEY	6-30-15/3:00	A	COLILERT					
30	WESTERN STA.	DIS	MOONEY	6-30-15/1:45	0.83	0.83	0.58	MOONEY	6-30-15/3:00	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	6-16-15/7:15	0.01	0.01		MOONEY	6-16-15/8:40							0:4ml

Monthly Well Production Report	
System Type - All GW systems	
System Name:	Greater Augusta Utility District
PWSID#:	90080
Designated operator name and ME License #:	Brian Tarbuck 2026
e-mail address:	btarbuck@greteraugustautilitydistrict.org
Reporting period (month and year):	June - 15
Signature: 	Date: July 7, 2015

System Information	
Treatment plant/pump station:	All wells
	Select one
Community System →	<input checked="" type="checkbox"/>
Non-transient Non-community →	<input type="checkbox"/>
Transient Non-Community →	<input type="checkbox"/>
List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
List any operation problems or comments:	

Daily water production (MG)				
Date	Triangle Well	South Well	Brookside Well	Sum
1	0.59	1.20	0.00	1.78
2	0.56	1.19	0.07	1.83
3	0.54	1.18	0.26	1.99
4	0.56	1.18	0.24	1.98
5	0.64	1.15	0.49	2.28
6	0.08	0.71	0.81	1.61
7	0.01	1.18	0.77	1.96
8	0.01	1.18	0.78	1.98
9	0.42	1.15	0.71	2.28
10	0.46	1.15	0.54	2.16
11	0.47	1.15	0.54	2.16
12	0.45	1.14	0.70	2.29
13	0.13	1.15	0.73	2.02
14	0.01	0.97	0.78	1.76
15	0.20	1.17	0.74	2.11
16	0.15	1.17	0.74	2.06
17	0.10	1.18	0.69	1.96
18	0.69	1.13	0.66	2.48
19	0.09	1.16	0.75	2.00
20	0.02	1.17	0.75	1.93
21	0.02	1.17	0.52	1.71
22	0.26	1.16	0.74	2.15
23	0.16	1.16	0.74	2.06
24	0.17	1.16	0.73	2.06
25	0.21	1.15	0.73	2.10
26	0.30	1.15	0.73	2.18
27	0.32	1.15	0.53	1.99
28	0.44	0.60	0.42	1.46
29	0.41	1.15	0.72	2.28
30	0.88	1.12	0.67	2.67
Sum	9.35	33.63	18.29	61.27

Monthly Operating Report
System Type - All GW systems
 System Name: **Greater Augusta Utility District**
 PWSID#: 90080
 Designated operator name and ME License #: **Brian Tarbuck**
 2026
 e-mail address: **bstarbuck@greataugustautilitydistrict.org**
 Reporting period (month and year): **June - 15**
 Signature:  Date: July 7, 2015

System Information
 Treatment plant/pump station: **Triangle Station**
 Community water system
 List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):
 List any operational problems or comments:

Daily water production		
Date	Gallons (MGD)	pH
1	1.78	7.78
2	1.83	7.82
3	1.99	7.86
4	1.98	7.88
5	2.28	7.87
6	1.61	7.83
7	1.96	7.88
8	1.98	7.96
9	2.28	7.75
10	2.16	7.68
11	2.16	7.71
12	2.29	7.71
13	2.02	7.75
14	1.76	7.88
15	2.11	8.12
16	2.06	8.08
17	1.96	7.92
18	2.48	7.91
19	2.00	7.96
20	1.93	8.00
21	1.71	8.17
22	2.15	8.02
23	2.06	8.19
24	2.06	7.99
25	2.10	8.04
26	2.18	8.11
27	1.99	8.08
28	1.46	8.17
29	2.28	8.06
30	2.66	7.96
Summary	61.27	7.94

Sum Average

From table below:
 List units: (i.e. lbs, gal)

Chemical usage						Ave free chlorine residual
Calc	Hypo	NaF	4	5	6	
gal	gal	lbs				mg/L
2	17	0				1.26
2	17	0				1.26
7	17	0				1.29
2	19	0				1.29
2	19	100				1.32
1	22	0				1.26
1	15	0				1.33
2	19	0				1.35
1	19	100				1.30
2	24	0				1.26
1	19	0				1.26
2	23	50				1.29
1	20	0				1.28
1	19	0				1.26
1	16	50				1.34
2	21	0				1.33
2	19	0				1.28
1	19	0				1.30
1	21	100				1.34
2	10	0				1.36
1	15	0				1.35
2	16	0				1.37
0	23	0				1.41
2	17	0				1.35
1	17	200				1.36
1	23	0				1.36
2	18	0				1.32
1	19	0				0.76
2	14	0				1.33
2	22	50				1.35
50	559	650				0.76

(total) (total) (total) (total) (total) (total) (min.)

Chemicals Used
 (report fluoride info on separate fluoride form)

Number	Chemical Name	Purpose	Chemical Strength
1	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Sodium hypochlorite	primary and secondary disinfection	12.50%
3	Sodium fluoride	fluoridation	
4			
5			
6			

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	30	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	1.01

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: June 2015

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	9,129	1.25	.89	1.31	.35
2	15,931	1.0	.91	1.54	.54
3					
4	39,666	3.0	.84	1.33	.60
5	18,378	1.25	.75	1.12	.36
6					
7	9,631		.60	1.11	.20
8	7,995	1.50	.53	1.09	.10
9	16,714	.75	.64	1.24	.23
10	16,869	.75	.54	.90	.15
11	22,953	1.25	.69	1.07	.27
12					
13					
14	31,675	1.5	.56	.83	.03
15					
16					
17					
18					
19					
20	83,407	4.5	.55	1.10	.35
21					
22	20,782	1.0	.49	1.14	.24
23	16,495	.75	.46	.88	.27
24	13,324	.50	.60	1.10	.21
25	19,098	1.25	.54	1.04	.23
26	16,320	1.25	.63	1.30	.24
27					
28					
29	26,687	1.25	.60	.99	.29
30	12,639	.75	.51	1.08	.16
31					

Total → 399,633 | 23.5 |

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: June 2015

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	3564	1.0	.90	1.41	.67
2	3528		.90	1.52	.57
3					
4	7988	1.25	.85	1.38	.55
5	3522		.82	1.44	.55
6					
7	3544		.80	.99	.30
8	2989	.75	.75	.76	.23
9	3841		.80	1.15	.30
10					
11	8343	1.0	.79	1.02	.33
12					
13					
14	8590	.5	.71	1.50	.55
15					
16					
17					
18					
19					
20	10589	1.0	.65	1.40	.50
21					
22	5845		.47	1.33	.11
23	3391	.5	.65	.88	.19
24	2736		.60	1.10	.24
25	5130		.67	1.46	.40
26	2612		.58	1.35	.40
27					
28					
29	9278	1.75	.46	1.46	.22
30	3797		.50	1.11	.21
31					

Total → 92,287 7.75

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: June 2015

Signature: 

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1	6,678	.75	.89	1.37	.45
2	5,833		.90	1.61	.44
3					
4	17,862	1.25	.86	1.39	.43
5	6,247	.5	.90	1.24	.40
6					
7	18,443		.80	1.21	.49
8	30,110	1.5	.76	1.12	.53
9	5,248		.80	1.09	.39
10					
11	13,730	1.0	.78	.99	.33
12					
13					
14	19,631	1.0	.60	1.50	.66
15					
16					
17					
18					
19					
20					
21	41,726	2.5	.59	1.30	.50
22	5,833	.5	.47	1.00	.27
23	6,704		.74	1.41	.55
24	6,466	.75	.71	1.11	.48
25	6,220		.62	.67	.30
26	4,750	.5	.53	1.42	.23
27					
28					
29	18,525	.5	.36	.77	.18
30	7,645		.54	.71	.11
31					

Total = 216,646 | 10.75

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: 2015

Public Water System Information	
System's name:	East Pittston H ₂ O
Sampler's phone #:	242-6252
PWSID#:	92255
Address:	1200 East Pittston Rd. East Pittston Me 04545
Sample Category (1):	Drinking
Sampler's name:	Bill Wilkerson

Laboratory Information	
Lab name:	Greater Augusta Utility District
Lab certification:	ME00012
Lab mgr. name:	June 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	6/17/15 8:45 am	150626	6/18/15 7:25 am	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: 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.

Brian Tarbuck, General Manager
btarbuck@greataugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greataugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greataugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greataugustautilitydistrict.org

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greataugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greataugustautilitydistrict.org

Kirsten Hebert
khebert@greataugustautilitydistrict.org

Don Roberts
droberts@greataugustautilitydistrict.org

Sukey Sikora
ssikora@greataugustautilitydistrict.org

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

August 5, 2015

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 July, 2015.

These are the reports for Triangle Station. Per my email this morning, we need a few extra days to review the reports from the new wells on Riverside Drive before we submit them for compliance.

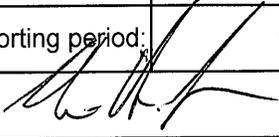
You should find the following documents:

1. Fluoridation Report;
2. Total Coliform Monitoring Report;
3. South Well, Brookside Well and Triangle Well pump report;
4. Triangle Station Monthly Operating Report; and
5. 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
General Manager

Monthly Fluoride Report System Type - Fluoride Systems		System Information			
System Name:	Greater Augusta Utility District	Treatment plant:	Triangle Station		
PWSID#:	90080	Chemical Used:	Sodium Fluoride		
Reporting period:	July - 15	Notes: See notes below for specific operating conditions.			
Signature: 	Date: 8/5/2015	Date	GAUD mg/L	Location	HETL mg/L
		7/22/2015 10:30	0.55	Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.95	87	1.03	0.80
2	2.00	89	0.83	0.80
3	1.96	90	0.70	0.83
4	2.15	81	0.74	0.68
5	1.90	70	0.74	0.66
6	1.71	79	0.69	0.83
7	2.02	82	0.69	0.73
8	2.01	69	0.71	0.62
9	1.52	71	0.80	0.84
10	2.01	71	0.74	0.63
11	1.58	69	0.72	0.78
12	1.72	72	0.69	0.75
13	1.52	75	0.69	0.89
14	1.67	77	0.71	0.83
15	1.28	68	0.63	0.95
16	1.22	70	0.58	1.03
17	1.10	73	0.65	1.18
18	1.38	69	0.61	0.90
19	1.59	70	0.63	0.79
20	1.15	72	0.62	1.12
21	1.51	61	0.62	0.72
22	1.33	64	0.63	0.86
23	1.67	57	0.64	0.61
24	1.28	54	0.62	0.75
25	1.22	50	0.62	0.73
26	1.10	41	0.63	0.68
27	1.38	46	0.59	0.61
28	1.59	56	0.63	0.63
29	1.15	56	0.61	0.87
30	1.51	50	0.60	0.59
31	1.33	51	0.61	0.68
Avg	1.57	67.22	0.68	0.79
Min	1.10	41.44	0.58	0.59
Max	2.15	89.95	1.03	1.18
Total	48.52	2,083.76		

Operating comments

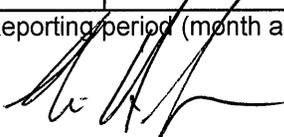
Bacteriological Report Form
Utility: Greater Augusta Utility District, PWSID ME0090080
Greater Augusta Utility District Laboratory, MIE00012

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	24
Number of quality control samples	1
Number of positive samples	0

Samp. #	Location	Samt. Type	Collected by	Collection date & time	Free Cl ₂	Total Cl ₂	Fluoride (mg/l)	Set up by:	Date & time	Coliform		Method	Lauryl Typosose	48 hr	bril. green	EC 44.5c	HPC 48 hrs
										Present/Absent							
1	WESTERN STA.	DIS	MOONEY	7-7-15/9:50	0.78	0.78	0.59	MOONEY	7-7-15/2:00	A		COLILERT					
2	WELLHOUSE	DIS	MOONEY	7-7-15/10:10	0.88	0.86	0.55	MOONEY	7-7-15/2:00	A		COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	7-7-15/10:40	0.97	0.96	0.53	MOONEY	7-7-15/2:00	A		COLILERT					
4	WILLOW ST. STA.	DIS	MOONEY	7-7-15/11:00	0.88	0.87	0.56	MOONEY	7-7-15/2:00	A		COLILERT					
5	HOSPITAL ST. STA.	DIS	MOONEY	7-7-15/11:50	0.97	0.97	0.59	MOONEY	7-7-15/2:00	A		COLILERT					
6	12 WILLIAMS ST.	DIS	MOONEY	7-7-15/11:30	0.88	0.88	0.57	MOONEY	7-7-15/2:00	A		COLILERT					
7	WESTERN STA.	DIS	MOONEY	7-14-15/9:30	0.76	0.77	0.59	MOONEY	7-14-15/1:30	A		COLILERT					
8	WELLHOUSE	DIS	MOONEY	7-14-15/9:50	1.21	1.19	0.62	MOONEY	7-14-15/1:30	A		COLILERT					
9	NORTHWEST STA.	DIS	MOONEY	7-14-15/10:15	0.98	0.98	0.54	MOONEY	7-14-15/1:30	A		COLILERT					
10	12 WILLIAMS ST.	DIS	MOONEY	7-14-15/10:40	1.15	1.14	0.60	MOONEY	7-14-15/1:30	A		COLILERT					
11	HOSPITAL ST. STA.	DIS	MOONEY	7-14-15/11:00	0.97	0.97	0.57	MOONEY	7-14-15/1:30	A		COLILERT					
12	QUALITY INN	DIS	MOONEY	7-14-15/11:30	0.53	0.53	0.58	MOONEY	7-14-15/1:30	A		COLILERT					
13	12 WILLIAMS ST.	DIS	MOONEY	7-21-15/10:10	1.07	1.08	0.63	MOONEY	7-21-15/2:25	A		COLILERT					
14	HOSPITAL ST. STA.	DIS	MOONEY	7-21-15/10:25	0.82	0.84	0.63	MOONEY	7-21-15/2:25	A		COLILERT					
15	TOGUS STA.	DIS	MOONEY	7-21-15/10:50	0.59	0.59	0.60	MOONEY	7-21-15/2:25	A		COLILERT					
16	NORTHWEST STA.	DIS	MOONEY	7-21-15/11:30	0.94	0.93	0.62	MOONEY	7-21-15/2:25	A		COLILERT					
17	WELLHOUSE	DIS	MOONEY	7-21-15/11:55	0.99	0.97	0.55	MOONEY	7-21-15/2:25	A		COLILERT					
18	WESTERN STA.	DIS	MOONEY	7-21-15/12:20	0.88	0.69	0.59	MOONEY	7-21-15/2:25	A		COLILERT					
19	WESTERN STA.	DIS	MOONEY	7-28-15/9:45	1.09	1.09	0.66	MOONEY	7-28-15/2:15	A		COLILERT					
20	MANCHESTER TOWN OFFICE	DIS	MOONEY	7-28-15/10:05	0.12	0.13	0.62	MOONEY	7-28-15/2:15	A		COLILERT					
21	WELLHOUSE	DIS	MOONEY	7-28-15/10:30	1.12	1.11	0.59	MOONEY	7-28-15/2:15	A		COLILERT					
22	NORTHWEST STA.	DIS	MOONEY	7-28-15/10:55	1.00	1.00	0.64	MOONEY	7-28-15/2:15	A		COLILERT					
23	12 WILLIAMS ST.	DIS	MOONEY	7-28-15/11:20	0.55	0.55	0.49	MOONEY	7-28-15/2:15	A		COLILERT					
24	HOSPITAL ST. STA.	DIS	MOONEY	7-28-15/11:35	0.58	0.58	0.47	MOONEY	7-28-15/2:15	A		COLILERT					
	LAB DISTILLED WATER	QC	MOONEY	7-21-15/7:10	0.01	0.01		MOONEY	7-21-15/8:30								0.2ml

Monthly Well Production Report	
System Type - All GW systems	
System Name:	Greater Augusta Utility District
PWSID#:	90080
Designated operator name and ME License #:	Brian Tarbuck 2026
e-mail address:	btarbuck@greteraugustautilitydistrict.org
Reporting period (month and year):	July - 15
Signature:	 August 5, 2015

System Information	
Treatment plant/pump station:	All wells
	Select one
Community System →	<input checked="" type="checkbox"/>
Non-transient Non-community →	<input type="checkbox"/>
Transient Non-Community →	<input type="checkbox"/>
List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
List any operation problems or comments:	

Daily water production (MG)				
Date	Triangle Well	South Well	Brookside Well	Sum
1	0.90	1.12	0.67	2.69
2	0.88	1.11	0.66	2.65
3	0.52	1.12	0.69	2.33
4	0.02	1.16	0.42	1.61
5	0.02	1.15	0.76	1.93
6	0.38	1.13	0.73	2.24
7	0.28	1.01	0.57	1.86
8	0.11	1.14	0.76	2.01
9	0.03	1.15	0.78	1.96
10	0.02	1.15	0.79	1.95
11	0.34	1.13	0.53	2.00
12	0.72	0.47	0.76	1.96
13	0.92	0.49	0.75	2.15
14	0.92	0.21	0.77	1.90
15	0.90	0.00	0.81	1.71
16	0.86	0.71	0.45	2.02
17	0.86	1.14	0.00	2.01
18	0.90	0.62	0.00	1.52
19	0.87	1.14	0.00	2.01
20	0.89	0.69	0.00	1.58
21	0.88	0.84	0.00	1.72
22	0.89	0.62	0.00	1.52
23	0.88	0.76	0.03	1.67
24	0.90	0.37	0.00	1.28
25	0.70	0.52	0.00	1.22
26	0.91	0.19	0.00	1.10
27	0.73	0.64	0.00	1.38
28	0.88	0.45	0.26	1.59
29	0.28	0.51	0.36	1.15
30	0.46	0.65	0.40	1.51
31	0.56	0.56	0.21	1.33
Sum	18.85	23.42	11.97	54.23

Monthly Operating Report

System Type - All GW systems

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

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

e-mail address: **btarbuck@greteraugustautilitydistrict.org**

Reporting period (month and year): **July - 15**

Signature: *[Signature]* **August 5, 2015**

System Information

Treatment plant/pump station: **Triangle Station**
Community water system

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

List any operational problems or comments:

Daily water production		
Date	Gallons (MGD)	pH
1	2.69	8.01
2	2.65	7.88
3	2.33	8.24
4	1.61	7.79
5	1.93	7.73
6	2.24	7.59
7	1.86	7.64
8	2.01	7.72
9	1.96	7.29
10	1.95	7.29
11	2.00	7.31
12	1.96	7.33
13	2.15	7.31
14	1.90	7.33
15	1.71	7.32
16	2.02	7.33
17	2.01	7.32
18	1.52	7.33
19	2.01	7.33
20	1.58	7.34
21	1.72	7.32
22	1.52	7.33
23	1.67	7.31
24	1.28	7.31
25	1.22	7.33
26	1.10	7.34
27	1.38	7.32
28	1.59	7.33
29	1.15	7.31
30	1.51	7.31
31	1.33	7.33
Summary	54.23	7.45

Sum Average

From table below:

List units: (i.e. lbs, gal)

Chemical usage						Ave free chlorine residual
Calc	Hypo	NaF	4	5	6	
gal	gal	lbs				mg/L
2	22	0				1.38
1	18	0				1.37
-1	17					1.36
4	20					1.28
0	18					1.32
2	20	0				1.34
1	18	100				1.32
1	22	0				1.41
3	21	0				1.49
-1	14	50				1.27
1	21					1.14
4	19					1.13
1	15	0				1.19
3	10	0				1.20
1	5	100				1.08
0	17	0				1.12
1	15	50				1.10
1	18					1.00
1	14					1.08
1	14	0				1.02
1	12	0				1.10
1	16	0				1.07
1	18	100				1.19
2	15	0				1.17
1	18					1.21
1	14					1.13
1	12	0				1.23
1	16	0				1.21
1	18	0				1.23
2	15	0				1.24
1	18	0				1.20
41	492	400				1.00
(total)	(total)	(total)	(total)	(total)	(total)	(min.)

Chemicals Used

(report fluoride info on separate fluoride form)

Number	Chemical Name	Purpose	Chemical Strength
1	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Sodium hypochlorite	primary and secondary disinfection	12.50%
3	Sodium fluoride	fluoridation	
4			
5			
6			

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

Number of routine samples taken:	24	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.85

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: July 2015

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	23,695	1.25	.68	1.10	.10
2	18,425	1.0	.65	1.17	.27
3					
4					
5					
6	21,350	1.75	.61	.98	.25
7	16,020	1.00	.51	1.05	.25
8	12,966	.75	.55	.91	.27
9					
10	34,202	2.0	.50	1.03	.29
11					
12					
13					
14	47,554	3.25	.47	.93	.20
15	15,134	.75	.61	.92	.17
16	27,137	1.75	.33	.78	.17
17					
18					
19					
20	43,788	2.0	.44	.75	.08
21	8,083	.75	.44	1.00	.21
22					
23					
24	54,895	4.0	.43	1.02	.26
25					
26					
27	29,367	2.0	.39	1.06	.29
28	15,064	1.0	.38	.87	.07
29					
30	37,257	3.0	.35	.91	.29

Total | 404,937 | 26.25 |

Building 206

Monthly Operating Report

System Type- All GW system

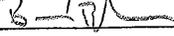
System Name: Greater Augusta Utility District for Togus VA

PWSID#: 90080

Operator: Ben Baker (Togus V.A.)

Operator license #: 3836

Reporting Period: July 2015

Signature: 

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					
5					
6	15,868	2.5	.60	1.02	.33
7					
8	7,407	.75	.58	1.11	.40
9					
10	14,227	.75	.55	1.15	.39
11					
12					
13					
14	10,996	.75	.47	1.08	.29
15	3,923		.59	1.11	.29
16	4,270	1.0	.47	1.03	.36
17			.41		
18					
19					
20					
21	15,522	2.0	.41	1.28	.51
22					
23					
24	11,939	1.0	.45	1.41	.66
25					
26					
27	8,250	.5	.40	1.00	.22
28					
29	12,948	1.5	.37	1.30	.50
30	7,887	1.0	.35	1.23	.51
Total	113,237	12.5			

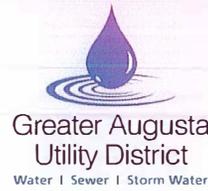
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greateraugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greateraugustautilitydistrict.org

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greateraugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Sukey Sikora
ssikora@greateraugustautilitydistrict.org

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

August 11, 2015

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 July, 2015 specific to the newly started wells on Riverside Drive in Augusta. These reports provide operating information for the two wells known as Riverside North (HD-7) and Riverside South (HD-8).

The startup process was very simple. There were no significant issues encountered. The wells were operated in "hand" during the day until sufficient system testing warranted overnight operations in automatic mode.

The startup was accompanied by significant flushing on the east side of the river to minimize red water problems. Very few calls were received.

Some issues remain with trying to approximate the usage of Calciquest, the poly-orthophosphate chemical from Carus Corporation that is used to minimize lead and copper levels at our customers' taps. We are going to try a tiny magnetic meter on the chemical injection system to continuously track actual dosage into the system. This is a more costly solution but will provide additional operational benefits so it will be worth it.

The fluoride saturator is like the one at Triangle Station and is very simple to operate. The reporting issue for July is that the water meter that measures the amount of make-up water flow going into the saturator is not being properly accumulated by the programmable logic controller (PLC). The PLC is reporting flow to the SCADA system but because the station is remote, the data is not reported apart from 5 minute data polling cycles. Sometimes water flows into the saturator but this can be missed if it is not flowing as part of an active polling cycle. This will be remedied when the vendor that is contractually obligated to remedy this issue completes their work as part of punch list efforts. In the meantime the Hach CA610 continuous fluoride residual analyzer is working and reliably reporting data.

As the wells we being tested we also brought the new 2.6 million gallon Malta Hill tank online on July 27th. The new wells were very helpful in filling the new tank quickly. The old steel tank is presently being demolished by McGee Construction. The perimeter fence will be restored soon and that site should be in good shape for an effective 75 year life.

Thank you and the DWP for your assistance and patience with starting the well system up.

You should find the following documents:

1. Fluoridation Report;
2. Riverside North and Riverside South pump report; and
3. Triangle Station Monthly Operating Report.

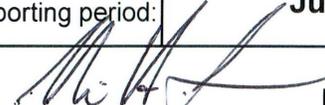
If you have any questions, please contact me at 622-3701.

Sincerely,

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

Brian Tarbuck, PE
General Manager

Monthly Fluoride Report
System Type - Fluoride Systems

System Name:	Greater Augusta Utility District
PWSID#:	90080
Reporting period:	July - 15
Signature: 	Date: 8/12/2015

System Information

Treatment plant:	Riverside Station
Chemical Used:	Sodium Fluoride

Notes: See notes below for specific operating conditions.

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20	1.55		0.06	
21	1.05		0.00	
22	0.81		0.01	
23	1.13		0.03	
24	1.42		0.02	
25	1.13		0.04	
26	1.07		0.05	
27	1.75		0.14	
28	1.19		0.28	
29	1.37		0.30	
30	1.12		0.53	
31	1.34		0.73	
Avg	1.25		0.18	
Min	0.81		0.00	
Max	1.75		0.73	
Total	14.95			

Operating comments

The water meter that feeds softened water into the upflow fluoride saturator was being calibrated during the startup process. The consulting firm that designed the accumulator software for the programmable logic controller hadn't sorted this problem out by the end of the month so there are no gallons of makeup water reported. The results from the Hach CA610 continuous fluoride residual analyzer should be used for compliance for the month of July.

Wells started on July 20, 2015.

Fluoridation started on July 27th. Fluoride levels were slowly ramped up to test system efficiency.

Fluoride at CDC optimal level of 0.7 mg/L.

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Riverside wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information:	
Designated operator name and ME License #:	Brian Tarbuck 2026	Both wells were placed into service on August 20, 2015. Wells are going through start-up verification through the end of July.	
e-mail address:	btarbuck@gaud.ws	List any operational problems or comments:	
Reporting period (month and year): July - 15			
Signature:		Date: 8/12/2015	

Daily water production (MG)			
Date	Riverside North HD-7	Riverside South HD-8	Sum
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20	0.93	0.62	1.55
21	0.59	0.47	1.05
22	0.39	0.42	0.81
23	0.90	0.23	1.13
24	1.01	0.41	1.42
25	0.51	0.62	1.13
26	0.85	0.22	1.07
27	0.85	0.90	1.75
28	0.34	0.84	1.19
29	0.53	0.85	1.37
30	0.37	0.75	1.12
31	0.92	0.43	1.34
Sum	8.18	6.76	14.95

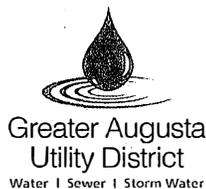
Brian Tarbuck, General Manager
btarbuck@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greateraugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greateraugustautilitydistrict.org

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greateraugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Sukey Sikora
ssikora@greateraugustautilitydistrict.org

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

September 10, 2015

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 August, 2015.

You should find the following documents:

1. Total Coliform Monitoring Report;
2. South Well, Brookside Well and Triangle Well pump report;
3. Triangle Station Monthly Operating Report;
4. Triangle Station Monthly Fluoridation Report;
5. Riverside wells pump report;
6. Riverside Station Monthly Operating Report;
7. Riverside Station Monthly Fluoridation Report;
8. Togus VA Small Water System Chlorination Report Forms for buildings 200, 206 and 207;
9. Riverside / Triangle station combined MOR for consideration; and
10. Riverside / Triangle station flow report for consideration.

Riverside Station continues to have issues associated with starting up a new facility. You'll notice over the weekend of August 15th that the fluoride was turned off. There was a concern about the system alarming properly so we turned it off to eliminate the risk of overfeed. This has since been remedied.

Software that accumulates the water meter that feeds the upflow saturator at Riverside Station needs to be modified to make the theoretical fluoride computation accurate. This should be done by the end of September.

The polyorthophosphate at Riverside has been difficult to track on a daily consumption basis. The dose is very low and the surface area of the liquid in the tank is relatively large so it has been difficult to gauge consumption using typical tank level changes over a 24 hour period. We are installing a chemical injection flowmeter to improve our tracking of chemical actually pumped into the system. We use these kinds of chemical injection flowmeters at our wastewater plant but this is our first use in a drinking water application. I should have good data for you next month.

I've included consolidated versions of the standard monthly reports for your consideration. The consolidated versions simply put both the Riverside and Triangle well systems on the same sheet of paper. If you're amenable to this submittal please let me know and we'll consolidate future reports. I think it's more helpful to report this way as I can see each well and the aggregate of all five wells on one sheet and quickly compare water quality parameters at each station. I suspect you'll find this more useful as well.

The new Malta 2.6 million gallon Preload concrete tank is active now. Both of the steel tanks at the so called Malta Hill tank have been demolished and sent for recycling. Denise should have the information necessary to change the database to reflect the changes in our operation. As you know, the two steel Riverside tanks were demolished a year ago.

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

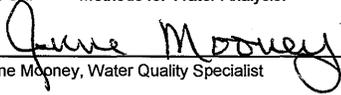
Sincerely,

Brian Tarbuck, PE
General Manager

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	24
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	8-4-15/9:55	1.05	1.04	0.57	MOONEY	8-4-15/2:00	A	COLILERT					
2	TRIANGLE WELLHOUSE	DIS	MOONEY	8-4-15/10:20	1.12	1.13	0.58	MOONEY	8-4-15/2:00	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	8-4-15/10:45	1.17	1.16	0.57	MOONEY	8-4-15/2:00	A	COLILERT					
4	WILLOW ST. STA.	DIS	MOONEY	8-4-15/11:05	0.87	0.87	0.71	MOONEY	8-4-15/2:00	A	COLILERT					
5	12 WILLIAMS ST.	DIS	MOONEY	8-4-15/11:25	0.83	0.83	0.74	MOONEY	8-4-15/2:00	A	COLILERT					
6	HOSPITAL ST. STA.	DIS	MOONEY	8-4-15/11:40	0.58	0.57	0.75	MOONEY	8-4-15/2:00	A	COLILERT					
7	GREYBIRCH	DIS	MOONEY	8-11-15/9:20	0.46	0.46	0.59	MOONEY	8-11-15/1:45	A	COLILERT					
8	WESTERN STA.	DIS	MOONEY	8-11-15/9:40	0.75	0.74	0.60	MOONEY	8-11-15/1:45	A	COLILERT					
9	TRIANGLE WELLHOUSE	DIS	MOONEY	8-11-15/10:00	1.21	1.20	0.62	MOONEY	8-11-15/1:45	A	COLILERT					
10	NORTHWEST STA.	DIS	MOONEY	8-11-15/10:25	0.97	0.97	0.58	MOONEY	8-11-15/1:45	A	COLILERT					
11	12 WILLIAMS ST.	DIS	MOONEY	8-11-15/10:45	0.62	0.61	0.66	MOONEY	8-11-15/1:45	A	COLILERT					
12	HOSPITAL ST. STA.	DIS	MOONEY	8-11-15/11:20	0.70	0.70	0.72	MOONEY	8-11-15/1:45	A	COLILERT					
13	WESTERN STA.	DIS	MOONEY	8-18-15/9:50	0.80	0.81	0.59	MOONEY	8-18-15/3:00	A	COLILERT					
14	MANCHESTER TOWN OFFICE	DIS	MOONEY	8-18-15/10:10	0.31	0.35	0.59	MOONEY	8-18-15/3:00	A	COLILERT					
15	TRIANGLE WELLHOUSE	DIS	MOONEY	8-18-15/10:35	1.40	1.39	0.58	MOONEY	8-18-15/3:00	A	COLILERT					
16	NORTHWEST STA.	DIS	MOONEY	8-18-15/11:00	1.28	1.27	0.53	MOONEY	8-18-15/3:00	A	COLILERT					
17	12 WILLIAMS ST.	DIS	MOONEY	8-18-15/11:45	0.75	0.74	0.62	MOONEY	8-18-15/3:00	A	COLILERT					
18	HOSPITAL ST. STA.	DIS	MOONEY	8-18-15/12:05	0.79	0.70	0.61	MOONEY	8-18-15/3:00	A	COLILERT					
19	QUALITY INN	DIS	MOONEY	8-18-15/1:25	0.71	0.70	0.53	MOONEY	8-18-15/3:00	A	COLILERT					
20	WESTERN STA.	DIS	MOONEY	8-25-15/9:40	0.82	0.83	0.58	MOONEY	8-25-15/2:30	A	COLILERT					
21	TRIANGLE WELLHOUSE	DIS	MOONEY	8-25-15/10:00	0.96	0.96	0.61	MOONEY	8-25-15/2:30	A	COLILERT					
22	NORTHWEST STA.	DIS	MOONEY	8-25-15/10:30	0.95	0.95	0.62	MOONEY	8-25-15/2:30	A	COLILERT					
23	K. V. CREDIT UNION	DIS	MOONEY	8-25-15/10:50	0.57	0.57	0.57	MOONEY	8-25-15/2:30	A	COLILERT					
24	12 WILLIAMS ST.	DIS	MOONEY	8-25-15/11:10	0.43	0.44	0.62	MOONEY	8-25-15/2:30	A	COLILERT					
25	HOSPITAL ST. STA.	DIS	MOONEY	8-25-15/11:35	0.27	0.27	0.62	MOONEY	8-25-15/2:30	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	8-18-15/7:10	0.00	0.00		MOONEY	8-18-15/8:30							0:4ml

Monthly Well Production Report	
System Type - All GW systems	
System Name:	Greater Augusta Utility District
PWSID#:	90080
Designated operator name and ME License #:	Brian Tarbuck 2026
e-mail address:	btarbuck@greataugustautilitydistrict.org
Reporting period (month and year):	August - 15
Signature:	September 10, 2015

System Information	
Treatment plant/pump station:	Triangle wells
	Select one
Community System →	<input checked="" type="checkbox"/>
Non-transient Non-community →	<input type="checkbox"/>
Transient Non-Community →	<input type="checkbox"/>
List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
List any operation problems or comments:	

Daily water production (MG)				
Date	Triangle Well	South Well	Brookside Well	Sum
1	0.40	0.21	0.35	0.96
2	0.92	0.00	0.20	1.12
3	0.67	0.41	0.26	1.34
4	0.25	0.78	0.44	1.47
5	0.01	1.18	0.09	1.27
6	0.21	0.73	0.52	1.45
7	0.00	0.94	0.34	1.28
8	0.19	0.74	0.34	1.27
9	0.05	0.85	0.32	1.22
10	0.38	0.79	0.45	1.62
11	0.93	0.07	0.16	1.16
12	0.19	0.48	0.52	1.18
13	0.69	0.35	0.30	1.34
14	0.92	0.00	0.17	1.09
15	0.89	0.00	0.50	1.39
16	0.75	0.00	0.33	1.09
17	0.48	0.73	0.51	1.72
18	0.74	0.53	0.35	1.62
19	0.26	0.95	0.59	1.79
20	0.11	0.83	0.46	1.40
21	0.26	0.44	0.23	0.93
22	0.46	0.43	0.47	1.35
23	0.22	0.36	0.60	1.18
24	0.43	0.74	0.43	1.60
25	0.32	0.64	0.39	1.36
26	0.48	0.05	0.56	1.08
27	0.48	0.00	0.88	1.36
28	0.39	0.00	0.88	1.27
29	0.32	0.02	0.88	1.23
30	0.32	0.30	0.59	1.20
31	0.54	0.12	0.86	1.51
Sum	13.26	13.67	13.95	40.88

Monthly Operating Report
System Type - All GW systems
System Name: **Greater Augusta Utility District**
PWSID#: 90080
Designated operator name and ME License #: **Brian Tarbuck**
2026
e-mail address: **btarbuck@greateraugustautilitydistrict.org**
Reporting period (month and year): **August - 15**
Signature: **September 10, 2015**

System Information
Treatment plant/pump station: **Triangle Station**
Community water system
List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):
List any operational problems or comments:

Daily water production		
Date	Gallons (MGD)	pH
1	0.96	7.31
2	1.12	7.35
3	1.34	7.32
4	1.47	7.30
5	1.27	7.29
6	1.45	7.31
7	1.28	7.28
8	1.27	7.31
9	1.22	7.26
10	1.62	7.31
11	1.16	7.35
12	1.18	7.29
13	1.34	7.33
14	1.09	7.35
15	1.39	7.32
16	1.09	7.33
17	1.72	7.28
18	1.62	7.31
19	1.79	7.28
20	1.40	7.28
21	0.93	7.30
22	1.35	7.29
23	1.18	7.27
24	1.60	7.29
25	1.36	7.29
26	1.08	7.29
27	1.36	7.28
28	1.27	7.26
29	1.23	7.25
30	1.20	7.26
31	1.51	7.27
Summary	40.88	7.30
	Sum	Average

Chemical usage						Ave free chlorine residual
Calc	Hypo	NaF	4	5	6	mg/L
gal	gal	lbs				
1	14					1.13
1	10					1.12
1	12	100				1.16
3	17	0				1.22
0	17	0				1.18
1	13	0				1.22
1	16	100				1.21
1	15					1.19
2	15					1.20
0	13	0				1.21
1	12	0				1.11
0	7	0				1.22
2	17	0				1.18
1	10	0				1.10
2	12					1.19
1	16					1.13
1	13	100				1.27
1	20	0				1.21
2	19	0				1.30
1	20	0				1.23
1	16	50				1.12
0	10					1.16
1	16					1.18
1	13	0				1.19
2	20	0				1.16
0	16	0				1.13
-1	11	0				1.16
1	14	100				1.17
1	13					1.15
2	13					1.16
0	14	0				1.19
30	443	450				1.10
(total)	(total)	(total)	(total)	(total)	(total)	(min.)

Chemicals Used
(report fluoride info on separate fluoride form)

Number	Chemical Name	Purpose	Chemical Strength
1	Calc (Calciquest 75 / 25)	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Hypo (Sodium hypochlorite)	primary and secondary disinfection	12.50%
3	NaF (Sodium fluoride)	fluoridation	
4			
5			
6			

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	25	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.81

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**
 PWSID#: **90080**
 Reporting period: **August, 2015**
 Signature: _____ 9/10/2015

System Information

Treatment plant: **Triangle Station**
 Chemical Used: **Sodium Fluoride**
 Notes: See notes below for specific operating conditions.

Date	GAUD mg/L	Location	HETL mg/L
8/24/2015 10:40	0.54	Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.96	39	0.62	0.74
2	1.12	42	0.64	0.68
3	1.34	46	0.60	0.63
4	1.47	49	0.65	0.60
5	1.27	50	0.66	0.71
6	1.45	51	0.65	0.63
7	1.28	43	0.64	0.60
8	1.27	42	0.64	0.60
9	1.22	51	0.65	0.74
10	1.62	54	0.62	0.60
11	1.16	45	0.62	0.69
12	1.18	47	0.56	0.71
13	1.34	52	0.61	0.69
14	1.09	48	0.61	0.79
15	1.39	51	0.62	0.65
16	1.09	50	0.59	0.82
17	1.72	54	0.61	0.56
18	1.62	60	0.62	0.66
19	1.79	59	0.62	0.59
20	1.40	55	0.63	0.70
21	0.93	48	0.59	0.93
22	1.35	50	0.61	0.66
23	1.18	55	0.61	0.83
24	1.60	59	0.60	0.66
25	1.36	48	0.61	0.63
26	1.08	43	0.60	0.72
27	1.36	49	0.59	0.64
28	1.27	48	0.66	0.67
29	1.23	56	0.72	0.81
30	1.20	61	0.72	0.91
31	1.51	62	0.71	0.73
Avg	1.32	50.33	0.63	0.70
Min	0.93	39.39	0.56	0.56
Max	1.79	61.66	0.72	0.93
Total	40.88	1,560.28		

Operating comments

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Riverside wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information:	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greataugustautilitydistrict.org		List any operational problems or comments:	
Reporting period:	August, 2015		
Signature:	Date: 9/10/2015		

Daily water production (MG)			
Date	Riverside North HD-7	Riverside South HD-8	Combined meter at Riverside Sta
1	0.19	0.67	0.89
2	0.02	0.86	0.91
3	0.49	0.42	0.93
4	0.54	0.23	0.88
5	0.01	0.86	0.90
6	0.31	0.58	0.91
7	0.86	0.00	0.87
8	0.86	0.02	0.89
9	0.86	0.01	0.89
10	0.86	0.00	0.87
11	0.86	0.00	0.87
12	0.86	0.01	0.89
13	0.86	0.05	0.92
14	0.86	0.03	0.90
15	0.87	0.05	0.92
16	0.86	0.08	0.96
17	0.59	0.53	1.14
18	0.04	0.86	0.93
19	0.08	0.86	0.97
20	0.05	0.88	0.96
21	0.03	0.86	0.91
22	0.01	0.86	0.90
23	0.02	0.87	0.91
24	0.07	0.86	0.96
25	0.32	0.86	1.21
26	0.14	0.86	1.03
27	0.09	0.86	0.97
28	0.05	0.86	0.93
29	0.03	0.86	0.92
30	0.05	0.87	0.94
31	0.03	0.86	0.92
Sum	11.90	16.53	28.97

Monthly Operating Report
System Type - All GW systems
System Name: **Greater Augusta Utility District**
PWSID#: 90080

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

btarbuck@greateraugustautilitydistrict.org

Reporting period (month and year): **August, 2015**

Signature: _____ Date: 9/10/2015

System Information
Treatment plant/pump station: **Riverside wells**
Community System

List any new or changed system information:

List any operational problems or comments:
The station is working well despite anticipated issues that are common to new station startup. See the narrative for more information.

Daily water production		
Date	Gallons (MGD)	pH
1	0.89	7.27
2	0.91	7.35
3	0.93	7.27
4	0.88	7.20
5	0.90	7.36
6	0.91	7.32
7	0.87	7.18
8	0.89	7.19
9	0.89	7.21
10	0.87	7.23
11	0.87	7.23
12	0.89	7.24
13	0.92	7.24
14	0.90	7.24
15	0.92	7.26
16	0.96	7.26
17	1.14	7.30
18	0.93	7.43
19	0.97	7.42
20	0.96	7.38
21	0.91	7.41
22	0.90	7.43
23	0.91	7.44
24	0.96	7.44
25	1.21	7.41
26	1.03	7.44
27	0.97	7.45
28	0.93	7.47
29	0.92	7.48
30	0.94	7.48
31	0.92	7.49
Summary	28.97	7.34
	Sum	Average

From table below:
List units: (i.e. lbs, gal)

Chemical usage					Ave free chlorine residual
Calc	Hypo	NaF	Comments		mg/L
gal	gal	lbs			
	6	0			0.71
	4	0			0.58
	4	0			0.54
	7	0			0.57
	5	0			0.59
	6	0			0.54
	5	0			0.52
	6	0			0.53
	4	0			0.52
	5	0			0.54
	5	0			0.53
	5	100			0.54
	5	0			0.56
	6	0			0.57
	5	0			0.52
	5	0			0.56
	5	0			0.57
	5	0			0.54
	5	0			0.54
	-6	0	Tank calibration on hypo		0.54
	4	0			0.50
	3	0			0.50
	3	0			0.50
	2	0			0.57
	2	0			0.57
	3	50			0.56
	5	0			0.53
	6	0			0.53
	5	0			0.59
	5	0			0.59
	5	0			0.54
	5	0			0.54
0	132	150			0.68
(total)	(total)	(total)	(total)	(total)	(min.)

see report narrative for details on Calcquest usage this month.

Chemicals Used

Number	Chemical Name	Purpose	Chemical Strength
1	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate
2	Sodium hypochlorite	primary and secondary disinfection	12.50%
3	Sodium fluoride	fluoridation	
4			
5			
6			

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

Reporting period: **August - 15**

Signature: _____ Date: 9/10/2015

System Information

Treatment plant: **Riverside Station**

Chemical Used: **Sodium Fluoride**

Notes: See notes below for specific operating conditions.

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.89		0.81	
2	0.91		0.72	
3	0.93		0.70	
4	0.88		0.67	
5	0.90		0.75	
6	0.91	35	0.71	0.70
7	0.87	21	0.72	0.43
8	0.89		0.76	
9	0.89		0.73	
10	0.87		0.73	
11	0.87	29	0.68	0.60
12	0.89	30	0.81	0.61
13	0.92	20	0.77	0.39
14	0.90	15	0.63	0.30
15	0.92		0.11	
16	0.96		0.06	
17	1.14		0.38	
18	0.93	42	0.55	0.81
19	0.97	13	0.60	0.24
20	0.96		0.75	
21	0.91		0.76	
22	0.90		0.80	
23	0.91		0.75	
24	0.96		0.77	
25	1.21	21	0.63	0.31
26	1.03	36	0.69	0.63
27	0.97	20	0.87	0.37
28	0.93	26	0.80	0.50
29	0.92		0.76	
30	0.94		0.68	
31	0.92		0.73	
Avg	0.93		0.67	
Min	0.87		0.06	
Max	1.21		0.87	
Total	28.97	308.00		

Operating comments

The results from the Hach CA610 continuous fluoride residual analyzer should be used for compliance for the month of July.

The accumulator algorithm for the fluoride makeup water isn't working yet so the meter is visually recorded when the site is visited. The theoretical calculation uses variables that are collected at different time periods which results in output that is inaccurate and should be ignored for the time being. A fix is coming in September.

Fluoride turned off for the weekend.
 Fluoride restored.

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: August 2015

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	52,714	4.0	.46	1.30	.30
4					
5					
6					
7	80,573	7.0	.44	1.00	.31
8					
9					
10					
11	49,186	1.75	.38	.96	.22
12	31,567	1.5	.38	1.18	.35
13	10,280	.5	.49	1.03	.23
14	21,938	1.0	.44	1.08	.21
15					
16					
17	24,803	1.25	.37	.93	.25
18					
19					
20	36,999	1.50	.36	1.08	.30
21	38,726	1.50	.35	1.11	.33
22					
23					
24					
25	48,444	2.75	.25	.90	.19
26	19,352	1.0	.23	.95	.20
27	19,202	1.0	.23	.78	.21
28					
29					
30					
31	45,600	3.5	.22	1.00	.29
Total	479,284	28.25			

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: August 2015

Signature: 

Date	Water Treated Gallons	1% Hypo	Pre-Treatment Chlorine (mg/L)	Post-Treatment Chlorine (mg/L)	Recirc Loop Chlorine (mg/L)
1					
2					
3	14,500	2.0	.41	1.41	.55
4					
5					
6					
7	17,166	2.25	.40	1.56	.58
8					
9					
10	9,000	1.0	.49	1.08	.40
11	4,339	.75	.40	1.21	
12	5,716		.39	1.27	.19
13	2,500		.48	1.37	.29
14	4,644	1.0	.40	1.55	.33
15					
16					
17					
18					
19	17,889	1.5	.37	.87	.28
20					
21	7,852		.37	1.22	.40
22					
23					
24					
25	14,647	1.5	.27	.65	.11
26	4,107		.27	1.40	.50
27	4,233	1.0	.27	.82	.39
28					
29					
30					
31	14,518	1.5	.23	1.30	.50
TOTAL	121,191	12.5			

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: August 2015

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	26,690	3.0	.38	.91	.30
3	9,690	.5	.45	1.02	.35
4					
5					
6	21,142	2.5	.40	1.00	.30
7	16,017	2.0	.56	1.52	.51
8					
9					
10	22,620	1.5	.46	1.55	.68
11	8,738		.39	.80	.30
12	10,351	.5	.39		
13	6,199		.49	.86	.29
14	8,446	.5	.40	1.21	.40
15					
16					
17	25,013	1.25	.40	.85	.30
18					
19	17,556	.75	.39	1.25	.60
20					
21	15,714	1.0	.39	1.20	.56
22					
23	29,254	1.5	.39	1.00	.40
24					
25	15,199	1.0	.29	.96	.30
26	8,504	.5	.25	1.11	.41
27	10,149	.5	.27	1.20	.50
28					
29					
30	31,334	1.25	.27	1.30	.50
31	6,609		.25	.60	.40
Total	289,225	18.25			

Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle Station	
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):	August - 15		
Signature:	9/10/2015		

Water production, pH and free chlorine residual							Chemical usage					
Triangle Station			Riverside Station				Triangle Station			Riverside Station		
Date	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc	Hypo	NaF	Calc	Hypo	NaF
							gal	gal	lbs	gal	gal	lbs
1	0.96	7.31	1.13	0.89	7.27	0.70	1	14			6	0
2	1.12	7.35	1.12	0.91	7.35	0.68	1	10			4	0
3	1.34	7.32	1.16	0.93	7.27	0.81	1	12	100		4	0
4	1.47	7.30	1.22	0.88	7.20	0.87	3	17	0		7	0
5	1.27	7.29	1.18	0.90	7.36	0.89	0	17	0		5	0
6	1.45	7.31	1.22	0.91	7.32	0.91	1	13	0		6	0
7	1.28	7.28	1.21	0.87	7.18	0.92	1	16	100		5	0
8	1.27	7.31	1.19	0.89	7.19	0.93	1	15			6	0
9	1.22	7.26	1.20	0.89	7.21	0.94	2	15			4	0
10	1.62	7.31	1.21	0.87	7.23	0.94	0	13	0		5	0
11	1.16	7.35	1.11	0.87	7.23	0.93	1	12	0		5	0
12	1.18	7.29	1.22	0.89	7.24	0.91	0	7	0		5	100
13	1.34	7.33	1.18	0.92	7.24	0.96	2	17	0		5	0
14	1.09	7.35	1.10	0.90	7.24	0.97	1	10	0		6	0
15	1.39	7.32	1.19	0.92	7.26	0.92	2	12			5	0
16	1.09	7.33	1.13	0.96	7.26	0.86	1	16			5	0
17	1.72	7.28	1.27	1.14	7.30	0.77	1	13	100		5	0
18	1.62	7.31	1.21	0.93	7.43	0.94	1	20	0		5	0
19	1.79	7.28	1.30	0.97	7.42	0.71	2	19	0		-6	0
20	1.40	7.28	1.23	0.96	7.38	0.70	1	20	0		4	0
21	0.93	7.30	1.12	0.91	7.41	0.90	1	16	50		3	0
22	1.35	7.29	1.16	0.90	7.43	0.80	0	10			3	0
23	1.18	7.27	1.18	0.91	7.44	0.77	1	16			2	0
24	1.60	7.29	1.19	0.96	7.44	0.77	1	13	0		2	0
25	1.36	7.29	1.16	1.21	7.41	0.86	2	20	0		3	50
26	1.08	7.29	1.13	1.03	7.44	0.83	0	16	0		5	0
27	1.36	7.28	1.16	0.97	7.45	0.83	-1	11	0		6	0
28	1.27	7.26	1.17	0.93	7.47	0.79	1	14	100		5	0
29	1.23	7.25	1.15	0.92	7.48	0.82	1	13			5	0
30	1.20	7.26	1.16	0.94	7.48	0.81	2	13			5	0
31	1.51	7.27	1.19	0.92	7.49	0.81	0	14	0		5	0
Summary	40.88	7.30	1.10	28.97	7.34	0.68	30	443	450	0	132	150
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

see report narrative for details on Calcquest usage this month.

Chemicals Used (fluoride reported separately)					
	Chemical Name	Purpose	Chemical Strength	Total	Units
Calc	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	30	gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	575	gallons
NaF	Sodium fluoride	fluoridation		600	pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	25	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 (month and year): August, 2015			
Signature:		September 10, 2015	

Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside North HD-7	Riverside South HD-8	Combined meter at Riverside Station	Sum all production wells
1	0.40	0.21	0.35	0.96	0.19	0.67	0.89	1.84
2	0.92	0.00	0.20	1.12	0.02	0.86	0.91	2.03
3	0.67	0.41	0.26	1.34	0.49	0.42	0.93	2.26
4	0.25	0.78	0.44	1.47	0.64	0.23	0.88	2.35
5	0.01	1.18	0.09	1.27	0.01	0.86	0.90	2.17
6	0.21	0.73	0.52	1.45	0.31	0.58	0.91	2.36
7	0.00	0.94	0.34	1.28	0.86	0.00	0.87	2.16
8	0.19	0.74	0.34	1.27	0.86	0.02	0.89	2.16
9	0.05	0.85	0.32	1.22	0.86	0.01	0.89	2.11
10	0.38	0.79	0.45	1.62	0.86	0.00	0.87	2.49
11	0.93	0.07	0.16	1.16	0.86	0.00	0.87	2.03
12	0.19	0.48	0.52	1.18	0.86	0.01	0.89	2.07
13	0.69	0.35	0.30	1.34	0.86	0.05	0.92	2.26
14	0.92	0.00	0.17	1.09	0.86	0.03	0.90	1.99
15	0.89	0.00	0.50	1.39	0.87	0.05	0.92	2.32
16	0.75	0.00	0.33	1.09	0.86	0.08	0.96	2.05
17	0.48	0.73	0.51	1.72	0.59	0.53	1.14	2.86
18	0.74	0.53	0.35	1.62	0.04	0.86	0.93	2.55
19	0.26	0.95	0.59	1.79	0.08	0.86	0.97	2.76
20	0.11	0.83	0.46	1.40	0.05	0.88	0.96	2.36
21	0.26	0.44	0.23	0.93	0.03	0.86	0.91	1.84
22	0.46	0.43	0.47	1.35	0.01	0.86	0.90	2.25
23	0.22	0.36	0.60	1.18	0.02	0.87	0.91	2.09
24	0.43	0.74	0.43	1.60	0.07	0.86	0.96	2.56
25	0.32	0.64	0.39	1.36	0.32	0.86	1.21	2.57
26	0.48	0.05	0.56	1.08	0.14	0.86	1.03	2.11
27	0.48	0.00	0.88	1.36	0.09	0.86	0.97	2.34
28	0.39	0.00	0.88	1.27	0.05	0.86	0.93	2.21
29	0.32	0.02	0.88	1.23	0.03	0.86	0.92	2.15
30	0.32	0.30	0.59	1.20	0.05	0.87	0.94	2.14
31	0.54	0.12	0.86	1.51	0.03	0.86	0.92	2.43
Sum	13.26	13.67	13.95	40.88	11.90	16.53	28.97	69.86

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

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greateraugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Sukey Sikora
ssikora@greateraugustautilitydistrict.org

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

October 9, 2015

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 September, 2015.

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.

Note that the Triangle and Riverside Station reports have been consolidated. This is more helpful for us operationally and should make review and storage of these documents easier for the DWP.

The polyorthophosphate chemical feed pump meter has been installed and is now tracking the flow into the system. We didn't have sufficient data to report at the end of September so expect to see that in October. When you get a chance you should come out and see it.

On September 4th the free chlorine residual was indicating low. The analyzer was calibrated that day which impaired the average for the day.

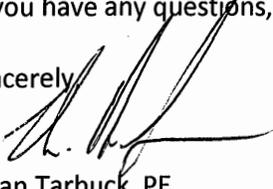
On September 15th the #1 sodium hypochlorite pump required maintenance and was removed from service. Prior to being tagged out of service it was failing to meet its target which explains the low average for the 15th. The #2 pump was placed into service and performed properly.

On September 24th SCADA maintenance caused certain readings at Riverside to be inaccurate.

We completed a round of 30 (thirty) samples for Lead and Copper Rule compliance in September on the east side. Results from the lab are pending.

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

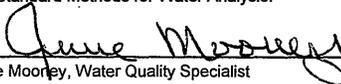
Sincerely,

A handwritten signature in black ink, appearing to read "B. Tarbuck", written over a light gray rectangular background.

Brian Tarbuck, PE

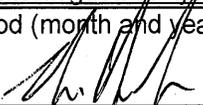
Bacteriological Report Form
Utility: Greater Augusta Utility District, PWSID ME0090080
Greater Augusta Utility District Laboratory, ME00012

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	30
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	9-1-15/8:45	0.95	0.95	0.73	MOONEY	9-1-15/2:00	A	COLILERT					
2	TRIANGLE WELLHOUSE	DIS	MOONEY	9-1-15/9:10	0.96	0.97	0.82	MOONEY	9-1-15/2:00	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	9-1-15/9:30	1.08	1.08	0.73	MOONEY	9-1-15/2:00	A	COLILERT					
4	WILLOW ST/ STA.	DIS	MOONEY	9-1-15/9:55	0.70	0.68	0.76	MOONEY	9-1-15/2:00	A	COLILERT					
5	12 WILLIAMS ST.	DIS	MOONEY	9-1-15/10:10	0.49	0.49	0.70	MOONEY	9-1-15/2:00	A	COLILERT					
6	HOSPITAL ST. STA.	DIS	MOONEY	9-1-15/10:35	0.49	0.47	0.72	MOONEY	9-1-15/2:00	A	COLILERT					
7	WESTERN STA.	DIS	MOONEY	9-8-15/10:10	0.99	0.99	0.68	MOONEY	9-8-15/2:30	A	COLILERT					
8	TRIANGLE WELLHOUSE	DIS	MOONEY	9-8-15/10:25	1.15	1.13	0.70	MOONEY	9-8-15/2:30	A	COLILERT					
9	NORTHWEST STA.	DIS	MOONEY	9-8-15/10:55	1.05	1.04	0.62	MOONEY	9-8-15/2:30	A	COLILERT					
10	12 WILLIAMS ST.	DIS	MOONEY	9-8-15/11:20	0.46	0.46	0.75	MOONEY	9-8-15/2:30	A	COLILERT					
11	HOSPITAL ST. STA.	DIS	MOONEY	9-8-15/11:40	0.49	0.49	0.76	MOONEY	9-8-15/2:30	A	COLILERT					
12	1000 RIVERSIDE DR.	DIS	MOONEY	9-8-15/12:40	0.38	0.38	0.80	MOONEY	9-8-15/2:30	A	COLILERT					
13	WESTERN STA.	DIS	MOONEY	9-14-15/10:00	0.82	0.82	0.65	MOONEY	9-15-15/8:30	A	COLILERT					
14	TRIANGLE WELLHOUSE	DIS	MOONEY	9-14-15/10:20	1.24	1.21	0.73	MOONEY	9-15-15/8:30	A	COLILERT					
15	NORTHWEST STA.	DIS	MOONEY	9-14-15/11:00	1.02	1.02	0.65	MOONEY	9-15-15/8:30	A	COLILERT					
16	12 WILLIAMS ST.	DIS	MOONEY	9-14-15/11:20	0.36	0.36	0.65	MOONEY	9-15-15/8:30	A	COLILERT					
17	HOSPITAL ST. STA.	DIS	MOONEY	9-14-15/11:40	0.28	0.29	0.64	MOONEY	9-15-15/8:30	A	COLILERT					
18	WESTERN STA.	DIS	MOONEY	9-21-15/10:30	0.81	0.81	0.69	MOONEY	9-22-15/9:40	A	COLILERT					
19	TRIANGLE WELLHOUSE	DIS	MOONEY	9-21-15/10:50	1.19	1.18	0.77	MOONEY	9-22-15/9:40	A	COLILERT					
20	NORTHWEST STA.	DIS	MOONEY	9-21-15/11:20	0.98	0.98	0.81	MOONEY	9-22-15/9:40	A	COLILERT					
21	12 WILLIAMS ST.	DIS	MOONEY	9-21-15/11:45	* 0.44	0.45	0.79	MOONEY	9-22-15/9:40	A	COLILERT					
22	HOSPITAL ST. STA.	DIS	MOONEY	9-21-15/12:00	0.51	0.51	0.86	MOONEY	9-22-15/9:40	A	COLILERT					
23	QUALITY INN	DIS	MOONEY	9-21-15/1:50	0.54	0.54	0.73	MOONEY	9-22-15/9:40	A	COLILERT					
24	MANCHESTER TOWN OFFICE	DIS	MOONEY	9-28-15/10:05	0.06	0.07	0.62	MOONEY	9-28-15/2:30	A	COLILERT					
25	WESTERN STA.	DIS	MOONEY	9-28-15/10:30	0.93	0.92	0.66	MOONEY	9-28-15/2:30	A	COLILERT					
26	TRIANGLE WELLHOUSE	DIS	MOONEY	9-28-15/10:50	1.14	1.11	0.64	MOONEY	9-28-15/2:30	A	COLILERT					
27	NORTHWEST STA.	DIS	MOONEY	9-28-15/11:15	1.12	1.13	0.67	MOONEY	9-28-15/2:30	A	COLILERT					
28	12 WILLIAMS ST.	DIS	MOONEY	9-28-15/11:40	0.69	0.69	0.65	MOONEY	9-28-15/2:30	A	COLILERT					
29	HOSPITAL ST. STA.	DIS	MOONEY	9-28-15/12:20	0.76	0.76	0.67	MOONEY	9-28-15/2:30	A	COLILERT					
30	FARRINGTON SCHOOL	DIS	MOONEY	9-28-15/3:40	0.39	0.40	0.66	MOONEY	9-28-15/4:15	A	COLILERT					
*	LAB DISTILLED WATER	QC	MOONEY	9-22-15/7:00	0.00	0.01		MOONEY	9-22-15/9:00							0:4ml

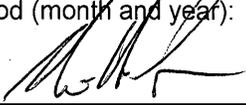
Monthly Operating Report		System Information	
System Type - All GW systems		Treatment plant/pump station: Triangle Station	
System Name:	Greater Augusta Utility District	Community water system	
PWSID#:	90080	List any new or changed system information and any operational problems or comments below.	
Designated operator name and ME License #:	Brian Tarbuck 2026		
	btarbuck@greateraugustawaterutilitydistrict.org		
Reporting period (month and year):	September - 15		
Signature:		10/9/2015	

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	1.36	7.27	1.17	1.03	7.41	0.81	2	14	0		5	0
2	1.36	7.26	1.15	0.84	7.29	0.81	2	15	0		5	0
3	1.37	7.27	1.14	0.73	7.29	0.74	3	16	0		5	50
4	1.40	7.26	1.15	0.90	7.31	0.45	-1	15	0		7	0
5	1.04	7.25	1.09	1.46	7.30	0.80	1	14	0		3	0
6	1.23	7.25	1.10	0.89	7.28	0.81	1	11	0		5	0
7	1.27	7.25	1.11	0.90	7.49	0.89	1	15	0		3	0
8	1.59	7.25	1.17	1.39	7.44	0.93	3	13	0		6	0
9	1.48	7.26	1.14	0.89	7.52	0.90	1	19	0		4	0
10	1.15	7.27	1.08	1.11	7.49	0.83	1	17	0		6	0
11	1.44	7.26	1.15	0.93	7.53	0.82	-1	14	100		5	0
12	1.09	7.26	1.06	0.95	7.54	0.82	0	15	0		5	0
13	0.94	7.25	1.07	0.94	7.54	0.82	2	13	0		7	0
14	1.20	7.25	1.10	0.90	7.55	0.80	0	9	0		5	50
15	1.57	7.25	1.13	1.23	7.46	0.55	1	13	0		7	0
16	1.24	7.25	1.08	0.94	7.48	0.73	2	18	0		5	0
17	1.22	7.31	1.03	0.92	7.52	0.68	1	15	100		6	0
18	1.37	7.30	1.07	0.91	7.54	0.72	1	13	0		6	0
19	1.06	7.31	1.04	0.92	7.55	0.73	0	14	0		7	0
20	1.25	7.29	1.07	0.93	7.54	0.73	1	11	0		5	0
21	1.30	7.29	1.13	0.94	7.55	0.92	1	14	0		7	0
22	1.23	7.30	1.20	0.96	7.56	0.93	1	5	100		6	0
23	1.26	7.30	1.20	0.94	7.50	0.96	1	15	0		5	50
24	1.34	7.29	1.21	0.90	7.34	0.99	1	13	0		4	0
25	1.24	7.30	1.18	0.90	7.33	0.95	1	15	0		7	0
26	1.10	7.30	1.16	0.89	7.33	0.96	1	13	0		5	0
27	1.14	7.30	1.15	0.92	7.34	0.96	1	12	0		6	0
28	1.41	7.29	1.21	0.89	7.53	0.90	2	14	100		5	0
29	1.12	7.30	1.13	0.90	7.54	0.89	1	15	0		5	0
30	1.17	7.31	1.15	1.50	7.47	0.94	1	13	0		7	0
Summary	37.95	7.28	1.03	29.45	7.45	0.45	30	412	400	0	165	150
	Sum	Average	(min.)	Sum	Average	(min.)	(total)	(total)	(total)	(total)	(total)	(total)

see report narrative for details on Calcquest usage this month.

Chemicals Used (fluoride reported separately)				
	Chemical Name	Purpose	Chemical Strength	Total Units
Calc	Calciquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	30 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	577 gallons
NaF	Sodium fluoride	fluoridation		550 pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	30	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	0.75

Monthly Well Production Report		System Information	
System Type - All GW systems		Treatment plant/pump station: All wells	
System Name:	Greater Augusta Utility District	Community System	
PWSID#:	90080	List any new or changed system information (facilities, treatments, sources, operators, address, tele, etc.):	
Designated operator name and ME License #:	Brian Tarbuck 2026		
btarbuck@greteraugustautilitydistrict.org			
Reporting period (month and year):	September, 2015		
Signature:		October 9, 2015	

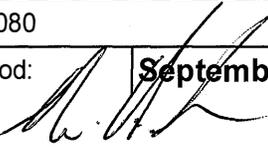
Daily water production (MG)								
Date	Triangle Well	South Well	Brookside Well	Sum Triangle Station	Riverside South #1 HD-8	Riverside North #2 HD-7	Combined meter at Riverside Station	Sum All wells
1	0.57	0.23	0.56	1.36	0.41	0.60	1.03	2.39
2	0.43	0.06	0.87	1.36	0.72	0.11	0.84	2.20
3	0.59	0.25	0.53	1.37	0.72	0.00	0.73	2.10
4	0.41	0.13	0.87	1.40	0.76	0.13	0.90	2.30
5	0.30	0.19	0.55	1.04	0.86	0.58	1.46	2.50
6	0.35	0.00	0.88	1.23	0.86	0.02	0.89	2.12
7	0.39	0.00	0.88	1.27	0.01	0.87	0.90	2.17
8	0.44	0.56	0.60	1.59	0.50	0.86	1.39	2.98
9	0.35	0.70	0.44	1.48	0.00	0.86	0.89	2.37
10	0.29	0.51	0.35	1.15	0.22	0.86	1.11	2.26
11	0.36	0.51	0.57	1.44	0.04	0.86	0.93	2.37
12	0.41	0.14	0.55	1.09	0.06	0.86	0.95	2.04
13	0.25	0.17	0.52	0.94	0.05	0.86	0.94	1.88
14	0.31	0.00	0.89	1.20	0.01	0.86	0.90	2.09
15	0.51	0.21	0.85	1.57	0.35	0.86	1.23	2.80
16	0.51	0.23	0.49	1.24	0.17	0.74	0.94	2.18
17	0.93	0.00	0.29	1.22	0.03	0.87	0.92	2.14
18	0.91	0.00	0.45	1.37	0.03	0.86	0.91	2.28
19	0.93	0.00	0.13	1.06	0.03	0.86	0.92	1.98
20	0.92	0.00	0.34	1.25	0.05	0.86	0.93	2.19
21	0.91	0.00	0.38	1.30	0.06	0.86	0.94	2.24
22	0.91	0.00	0.32	1.23	0.08	0.86	0.96	2.20
23	0.92	0.00	0.35	1.26	0.34	0.57	0.94	2.20
24	0.91	0.00	0.43	1.34	0.88	0.01	0.90	2.24
25	0.91	0.00	0.32	1.24	0.86	0.03	0.90	2.14
26	0.88	0.00	0.23	1.10	0.86	0.02	0.89	1.99
27	0.92	0.00	0.23	1.14	0.86	0.05	0.92	2.06
28	0.90	0.05	0.46	1.41	0.00	0.87	0.89	2.29
29	0.92	0.00	0.20	1.12	0.01	0.86	0.90	2.02
30	0.91	0.00	0.26	1.17	0.62	0.86	1.50	2.67
Sum	19.22	3.93	14.80	37.95	10.47	18.40	29.45	67.40

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: 90080

Reporting period: **September, 2015**

Signature:  10/9/2015

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
9/21/2015 10:30	0.77	Triangle Station	0.7

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.36	68	0.70	0.90
2	1.36	61	0.67	0.80
3	1.37	62	0.68	0.81
4	1.40	62	0.69	0.79
5	1.04	62	0.69	1.07
6	1.23	56	0.66	0.82
7	1.27	56	0.67	0.79
8	1.59	67	0.66	0.75
9	1.48	69	0.64	0.83
10	1.15	55	0.62	0.85
11	1.44	53	0.64	0.66
12	1.09	50	0.69	0.83
13	0.94	53	0.71	1.01
14	1.20	53	0.70	0.79
15	1.57	69	0.71	0.79
16	1.24	70	0.54	1.01
17	1.22	51	0.34	0.75
18	1.37	42	0.43	0.55
19	1.06	47	0.69	0.79
20	1.25	54	0.72	0.77
21	1.30	56	0.71	0.77
22	1.23	56	0.71	0.81
23	1.26	54	0.71	0.77
24	1.34	58	0.70	0.77
25	1.24	59	0.69	0.85
26	1.10	54	0.70	0.87
27	1.14	49	0.69	0.77
28	1.41	56	0.66	0.71
29	1.12	57	0.71	0.91
30	1.17	50	0.72	0.78
Avg	1.27	56.63	0.66	0.81
Min	0.94	41.51	0.34	0.55
Max	1.59	69.66	0.72	1.07
Total	37.95	1,698.99		

Operating comments

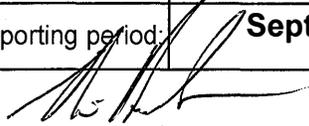
Generator tripped VFD to fluoride pump; analyzer OOS for calibration

Monthly Fluoride Report
System Type - Fluoride Systems

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

Reporting period: **September - 15**

Signature:  Date: **10/9/2015**

System Information

Treatment plant: **Riverside Station**

Chemical Used: **Sodium Fluoride**

Notes: See notes below for specific operating conditions.

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.03		0.72	0.00
2	0.84		0.71	0.00
3	0.73		0.71	0.00
4	0.90		0.73	0.00
5	1.46		0.73	0.00
6	0.89		0.72	0.00
7	0.90		0.81	0.00
8	1.39		0.74	0.00
9	0.89		0.68	0.00
10	1.11		0.70	0.00
11	0.93		0.72	0.00
12	0.95		0.79	0.00
13	0.94		0.91	0.00
14	0.90		0.81	0.00
15	1.23		0.75	0.00
16	0.94		0.74	0.00
17	0.92		0.73	0.00
18	0.91		0.73	0.00
19	0.92		0.72	0.00
20	0.93		0.73	0.00
21	0.94		0.74	0.00
22	0.96		0.75	0.00
23	0.94		0.74	0.00
24	0.90		0.61	0.00
25	0.90		0.69	0.00
26	0.89		0.71	0.00
27	0.92		0.71	0.00
28	0.89		0.72	0.00
29	0.90		0.83	0.00
30	1.50		0.35	0.00
Avg	0.98			
Min	0.73		0.35	
Max	1.50		0.91	
Total	29.45			

Operating comments
 Fluoride water meter readings are accumulating property in October but not in September.

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: SEP 2015

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	57,461	4.25	.24	1.15	.37
4					
5					
6					
7					
8					
9	63,807	5.25	.24	1.26	.44
10	20,519	1.0	.24	1.03	.45
11	23,829	2.0	.26	1.23	.45
12					
13					
14	23,836	2.0	.25	.93	.40
15	17,693	1.5	.35	1.07	.39
16					
17	54,945	2.5	.25	1.17	.41
18					
19					
20					
21	25,943	3.5	.30	.85	.11
22	24,961	1.75	.31	1.13	.20
23	18,569	1.5	.29	1.00	.20
24					
25					
26					
27					
28	67,318	5.0	.31	1.15	.33
29					
30					
31					

Total → 398,871 | 30.25

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: SEP 2015

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	13,606	1.0	.25	.99	.33
3					
4	3,915		.24	1.11	.40
5					
6					
7					
8	13,630	1.0	.24	.88	.30
9					
10	11,564	1.0	.25	1.10	.40
11	6,374	.5	.25	1.50	.25
12					
13					
14					
15	16,954	1.5	.30	.92	.39
16					
17	9,176	.5	.20	.73	.21
18					
19					
20					
21	17,150	2.0	.35	.58	.44
22	6,066	.5	.35	1.50	.63
23	7,006	.75	.34	1.55	.65
24	4,257	.5	.34	1.26	.60
25					
26					
27					
28	20,976	2.0	.31	1.44	.61
29					
30					
31					

Total → 130,674 | 11.25

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: SEP 2015

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	28889	1.75	.25	.66	.21
4	7,748	.25	.24	.67	.25
5					
6	20877	2.5	.24	1.50	.59
7					
8	16,258	1.75	.24	1.33	.73
9					
10	19660	2.0	.24	1.20	.60
11	6,452	.5	.25	1.44	.55
12					
13	19,808	1.0	.25	.71	.33
14					
15					
16	35,536	3.0	.26	.70	.29
17					
18					
19					
20	26,758	3.0	.29	1.30	.55
21	10,205	1.0	.30	1.10	.56
22	8,589	.5	.33	1.30	.57
23	9,491	1.0	.31	1.44	.59
24	7,795	.5	.31	.60	.30
25					
26					
27					
28	34,998	3.5	.30	1.04	.70
29					
30					
31					
Total	253,064	20.0			

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:

2015

Public Water System Information	
System's name:	East Pittston H2O
Sampler's phone #:	242-6252
PWSID#:	92255
Address:	1200 East Pittston Rd Pittston Maine 07845
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 East Pittston	9/21/15 17:15	150921	9/21 @ 8:20	negative			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@greateraugustautilitydistrict.org

Ken Knight, Board Chair
kknight@greateraugustautilitydistrict.org

David Smith, Vice-chair
dsmith@greateraugustautilitydistrict.org

Charlene Hamiwka, Treasurer
chamiwka@greateraugustautilitydistrict.org

Andy McPherson, Clerk / Hallowell voting member
amcpherson@greateraugustautilitydistrict.org



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

Dave Bustin, Hallowell ex-officio member
dbustin@greateraugustautilitydistrict.org

Kirsten Hebert
khebert@greateraugustautilitydistrict.org

Don Roberts
droberts@greateraugustautilitydistrict.org

Sukey Sikora
ssikora@greateraugustautilitydistrict.org

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

November 10, 2015

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 October, 2015.

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.

The computer at Triangle station failed on October 19 at 2000 hours. The station operated properly on its programmable logical controllers but trends and data were unable to be recorded until the system was restored on October 22 at 1100 hours. Data from grab samples should be used for compliance for this period.

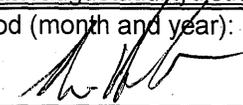
The fluoride makeup water accumulator is finally working as of today but the data won't be reported until December. For now, use the output from the continuous fluoride residual analyzer for compliance.

We have installed chemical flow meters at Riverside Drive for both sodium hypochlorite and polyorthophosphate. This allows for improved chemical dosing optimization and reporting. Initial success is so good that we will install a flow meter on the polyorthophosphate metering pump at Triangle well next year. The tiny amounts of polyorthophosphate used each day are too small to accurately report using tank level changes.

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

Sincerely,

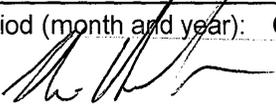
Brian Tarbuck, PE

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	Triangle station computer lost hard drive on 10/20 and 10/21. Grab samples taken during this period. Station operated fine on programmable logic controllers but no real-time data could be stored due to computer failure.	
Reporting period (month and year):		October - 15	
Signature:		11/10/2015	

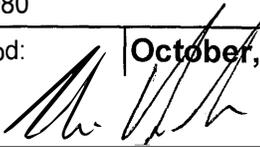
Date	Water production, pH and free chlorine residual						Chemical usage					
	Triangle Station			Riverside Station			Triangle Station			Riverside Station		
	Gallons (MGD)	pH	Average free chlorine residual	Gallons (MGD)	pH	Average free chlorine residual	Calc gal	Hypo gal	NaF lbs	Calc gal	Hypo gal	NaF lbs
1	1.10	7.32	1.13	0.89	7.54	0.88	1	0	0			0
2	1.26	7.28	1.26	0.87	7.56	0.88	1	12	100	0.9	5.9	0
3	1.11	7.21	1.21	0.88	7.55	0.90	1	14	0	0.8	5.9	0
4	1.17	7.18	1.22	0.88	7.55	0.94	1	14	0	0.8	5.7	0
5	1.30	7.22	1.25	1.01	7.50	0.91	1	12	0	0.8	5.2	50
6	1.34	7.22	1.24	0.88	7.54	0.89	1	13	0	0.9	5.6	0
7	1.18	7.22	1.21	0.87	7.55	0.90	1	16	0	0.8	6.1	0
8	1.22	7.23	1.22	0.87	7.55	0.94	1	14	0	0.9	6.3	0
9	1.15	7.22	1.22	0.91	7.53	0.83	1	13	100	0.9	5.8	0
10	1.05	7.21	1.20	0.86	7.53	0.87	1	12	0	0.6	4.4	0
11	1.09	7.21	1.21	1.03	7.50	0.85	1	10	0	0.9	4.7	0
12	1.41	7.25	1.25	0.89	7.53	0.92	1	13	0	0.9	6.4	0
13	1.12	7.23	1.19	0.94	7.45	0.88	1	17	0	0.7	5.2	50
14	1.05	7.21	1.18	0.88	7.35	0.80	0	13	0	0.7	6.9	0
15	1.25	7.22	1.23	0.91	7.39	0.93	1	10	0	0.7	6.0	0
16	1.06	7.20	1.19	0.90	7.38	0.93	1	12	0	0.7	5.6	0
17	1.07	7.20	1.20	0.95	7.38	0.95	0	11	0	0.7	5.6	0
18	1.12	7.20	1.22	1.04	7.38	0.95	0	11	0	0.7	4.6	0
19	1.28	7.20	1.22	0.94	7.37	0.96	2	12	0	0.8	6.3	0
20	1.67	7.43	1.28	0.92	7.36	0.98	4	18	0	0.9	6.5	0
21	1.51	7.42	1.31	0.88	7.36	0.98	1	11	0	0.7	6.4	0
22	1.27	7.41	1.34	0.87	7.35	0.97	0	3	0	0.8	6.1	0
23	1.52	7.22	1.20	0.87	7.35	0.96	2	16	0	0.8	7.0	0
24	1.00	7.20	1.11	0.87	7.34	0.97	1	15	0	0.7	5.6	0
25	1.04	7.20	1.10	0.87	7.34	0.98	0	12	0	0.7	5.4	0
26	1.20	7.22	1.14	0.87	7.35	0.98	1	10	100	0.8	6.3	50
27	1.20	7.21	1.14	0.87	7.35	0.98	1	12	0	0.8	6.3	0
28	1.34	7.26	1.11	0.93	7.36	0.93	-1	13	0	1.0	6.9	50
29	0.96	7.22	1.10	0.88	7.36	0.93	1	13	0	0.8	5.6	0
30	1.20	7.22	1.12	0.86	7.36	0.82	2	10	0	0.7	5.2	0
31	1.14	7.22	1.11	0.87	7.34	0.87	0	14	0	0.7	5.2	0
Summary	37.39	7.24	1.10	27.93	7.43	0.80	30	373	300	24	175	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	Calcquest 75 / 25	calcium sequestration / Pb / Cu control	75% polyphosphate	54 gallons
Hypo	Sodium hypochlorite	primary and secondary disinfection	12.50%	547 gallons
NaF	Sodium fluoride	fluoridation		500 pounds

Summary of Total Coliform Bacteria Rule - please continue to submit complete results			
Number of routine samples taken:	19	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 (month and year): October, 2015			
Signature: 	November 10, 2015		

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	0.18	1.10	0.02	0.86	0.89	1.99
2	0.66	0.00	0.60	1.26	0.00	0.86	0.87	2.12
3	0.20	0.00	0.91	1.11	0.02	0.86	0.88	1.99
4	0.28	0.00	0.89	1.17	0.02	0.87	0.88	2.06
5	0.41	0.00	0.89	1.30	0.16	0.85	1.01	2.31
6	0.41	0.26	0.67	1.34	0.02	0.86	0.88	2.23
7	0.28	0.00	0.90	1.18	0.00	0.86	0.87	2.05
8	0.33	0.00	0.89	1.22	0.00	0.86	0.87	2.09
9	0.25	0.00	0.90	1.15	0.08	0.84	0.91	2.06
10	0.15	0.00	0.90	1.05	0.00	0.86	0.86	1.91
11	0.20	0.00	0.89	1.09	0.16	0.86	1.03	2.12
12	0.66	0.00	0.74	1.41	0.03	0.86	0.89	2.30
13	0.43	0.00	0.69	1.12	0.46	0.48	0.94	2.06
14	0.15	0.00	0.90	1.05	0.86	0.01	0.88	1.93
15	0.37	0.00	0.89	1.25	0.86	0.05	0.91	2.17
16	0.16	0.00	0.90	1.06	0.86	0.03	0.90	1.96
17	0.17	0.00	0.90	1.07	0.86	0.09	0.95	2.01
18	0.23	0.00	0.90	1.12	0.86	0.18	1.04	2.17
19	0.38	0.00	0.90	1.28	0.86	0.08	0.94	2.22
20	0.88	0.00	0.82	1.67	0.86	0.06	0.92	2.59
21	0.88	0.00	0.82	1.51	0.87	0.02	0.88	2.39
22	0.83	1.05	0.70	1.27	0.86	0.00	0.87	2.14
23	0.46	0.21	0.85	1.52	0.86	0.00	0.87	2.39
24	0.09	0.00	0.90	1.00	0.86	0.00	0.87	1.86
25	0.15	0.00	0.89	1.04	0.86	0.00	0.87	1.91
26	0.32	0.00	0.87	1.20	0.86	0.00	0.87	2.06
27	0.32	0.00	0.88	1.20	0.86	0.00	0.87	2.06
28	0.66	0.28	0.40	1.34	0.86	0.06	0.93	2.27
29	0.33	0.00	0.63	0.96	0.86	0.02	0.88	1.84
30	0.32	0.00	0.88	1.20	0.86	0.00	0.86	2.06
31	0.34	0.18	0.62	1.14	0.86	0.00	0.87	2.01
Sum	12.21	2.00	24.70	37.39	16.52	11.40	27.93	65.31

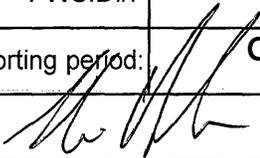
Monthly Fluoride Report		System Information	
System Type - Fluoride Systems		Treatment plant:	Triangle Station
System Name:	Greater Augusta Utility District	Chemical Used:	Sodium Fluoride
PWSID#: 90080		Notes: See notes below for specific operating conditions.	
Reporting period:	October, 2015	Date	GAUD mg/L
Signature: 	11/10/2015	10/20/2015 13:10	0.64
		Location	HETL mg/L
		Triangle Station	0.6

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	1.10	39	0.73	0.64
2	1.26	42	0.73	0.61
3	1.11	46	0.73	0.75
4	1.17	49	0.72	0.76
5	1.30	50	0.72	0.70
6	1.34	51	0.71	0.68
7	1.18	43	0.73	0.65
8	1.22	42	0.72	0.63
9	1.15	51	0.70	0.79
10	1.05	54	0.71	0.92
11	1.09	45	0.70	0.73
12	1.41	47	0.68	0.60
13	1.12	52	0.66	0.83
14	1.05	48	0.65	0.81
15	1.25	51	0.68	0.73
16	1.06	50	0.67	0.84
17	1.07	54	0.64	0.91
18	1.12	60	0.63	0.95
19	1.28	59	0.64	0.83
20	1.67	55	0.64	0.59
21	1.51	48	0.79	0.57
22	1.27	50	0.67	0.70
23	1.52	55	0.73	0.65
24	1.00	59	0.73	1.06
25	1.04	48	0.69	0.82
26	1.20	43	0.66	0.65
27	1.20	49	0.70	0.73
28	1.34	48	0.70	0.64
29	0.96	56	0.72	1.04
30	1.20	61	0.73	0.91
31	1.14	62	0.72	0.97
Avg	1.21	50.33	0.70	0.76
Min	0.96	39.39	0.63	0.57
Max	1.67	61.66	0.79	1.06
Total	37.39	1,560.28		

Operating comments

from daily crosschecks
computer down

Monthly Fluoride Report
System Type - Fluoride Systems

System Name:	Greater Augusta Utility District
PWSID#:	90080
Reporting period:	October - 15
Signature:	 Date: 11/10/2015

System Information

Treatment plant:	Riverside Station
Chemical Used:	Sodium Fluoride

Notes: See notes below for specific operating conditions.

Fluoride				
Date	Mgals pumped	Gallons of makeup water	Daily Residual	Theoretical Calculation
units:	Mgals	gallons	mg/L	mg/L
1	0.89		0.44	
2	0.87		0.75	
3	0.88		0.76	
4	0.88		0.74	
5	1.01		0.72	
6	0.88		0.72	
7	0.87		0.70	
8	0.87		0.77	
9	0.91		0.77	
10	0.86		0.79	
11	1.03		0.76	
12	0.89		0.74	
13	0.94		0.71	
14	0.88		0.71	
15	0.91		0.71	
16	0.90		0.71	
17	0.95		0.71	
18	1.04		0.72	
19	0.94		0.72	
20	0.92		0.73	
21	0.88		0.78	
22	0.87		0.84	
23	0.87		0.76	
24	0.87		0.68	
25	0.87		0.67	
26	0.87		0.62	
27	0.87		0.69	
28	0.93		0.84	
29	0.88		0.80	
30	0.86		0.73	
31	0.87		0.75	
Avg	0.90		0.73	
Min	0.86		0.44	
Max	1.04		0.84	
Total	27.93			

Operating comments

Gallons of sodium fluoride makeup water are working, trending and accumulating for reporting purposes as of November 10. Use fluoride residual analyzer for compliance for October, 2015.

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: OCT 2015

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	48,866	3.0	.35	1.31	.33
2	19,709	1.75	.37	1.07	.30
3					
4					
5	28,187	1.5	.38	.90	
6					
7					
8					
9	80,783	3.75	.38	1.00	.27
10					
11					
12					
13	33,916	2.0	.36	1.22	.36
14	15,614	1.0	.36	.90	.29
15					
16	39,666	2.75	.39	.94	.30
17					
18					
19	25,794	2.0	.39	.92	.31
20	18,014	1.0	.40	.71	.25
21	19,839	1.0	.40	.80	.26
22	19,530	1.0	.40	.78	.24
23					
24	33,193	1.5	.38	.64	.19
25					
26					
27					
28	56,287	3.0	.50	.75	.20
29	15,000	.75	.30	1.02	.33
30	31,928	2.0	.40	1.00	.34
31					

1486,326 | 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: Oct 2015

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	17,241	1.0	.32	.67	.26
2	6,150		.32	.45	.19
3					
4					
5	15,517	1.0	.33	.88	.29
6					
7					
8					
9	18,171	1.5	.35	1.40	.40
10					
11					
12					
13	6,737	.5	.36	1.40	.55
14					
15	4,384		.38	1.41	.55
16	3,348	.75	.39	1.09	.28
17					
18					
19	7,301	1.0	.39	1.50	.55
20					
21					
22	7,392	1.5	.38	1.00	.45
23	2,516	.5	.40	1.50	.59
24					
25					
26					
27					
28	11,240	1.5	.40	1.40	.60
29					
30	12,796	1.5	.41	1.19	
31					

112,793 | 10.75

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: OCT 2015

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	20,774	1.0	.31	.66	.21
2	7,851	.5	.33	1.00	.60
3					
4					
5	27,045	1.0	.35	.70	.21
6					
7					
8					
9	37,499	2.0	.39	1.50	.60
10					
11					
12					
13					
14	43,090	1.5			
15	93,020	.5	.39	1.30	.43
16	11,931	1.0	.40	1.48	.55
17					
18	15,748	1.5	.40	1.49	.56
19	8,413	1.0	.40	1.46	.58
20	5,676	.5	.40	1.1	.50
21					
22	14,267	1.25	.40	1.20	.51
23	6,438	.75	.41	1.24	.50
24					
25					
26					
27					
28	34,797	4.0	.43	1.20	.51
29	5,341	.25	.41	1.50	.66
30	8,968	1.5	.41	1.43	.60
31					

Total | 257,143 | 17.75 |