

12 Williams Street  
Augusta, Maine 04330  
www.augustawater.org

BRIAN TARBUCK  
General Manager

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May 6, 2009

Scott Whitney  
State of Maine, Drinking Water Program  
11 State House Station  
Augusta, ME 04333-0011

Dear Mr. Whitney:

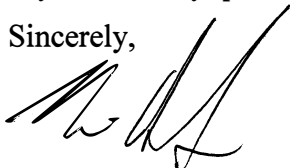
Please find attached the monthly reports for compliance with the Safe Drinking Water Act and Maine's Rules Relating to Drinking Water for the month of April, 2009. You should find the following documents:

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

These reports are also available here: <http://www.augustawater.org/reports.html>

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

Sincerely,




Brian Tarbuck, PE

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

System Name: **Greater Augusta Utility District**

PWSID#: **90080**

Reporting period: **April, 2009**

Signature:  Date: **5/6/2009**

**System Information**

Treatment plant/pump station: **Triangle Station**  
 Fluoride Chemical Used: **Sodium fluoride**

Notes:

Date	GAUD	Location	HETL
4/7/09 9:50 AM	1.24	Triangle Station	1.4


**Fluoride**

Date	Total production	Gallons of makeup water	Daily Average Residual	Theoretical Calculation
units:	Mgals	gallons	mg / L	mg / L
1	1.91	117	1.11	1.10
2	1.70	104	1.07	1.10
3	1.66	105	1.17	1.13
4	1.50	101	1.20	1.21
5	1.66	110	1.15	1.19
6	1.74	112	1.10	1.16
7	1.64	105	1.12	1.15
8	1.79	114	1.17	1.15
9	1.81	119	1.14	1.18
10	1.58	120	1.17	1.36
11	1.47	102	1.16	1.25
12	1.68	108	1.13	1.16
13	1.77	110	1.14	1.12
14	1.63	107	1.11	1.18
15	1.71	111	1.20	1.17
16	1.71	114	1.18	1.20
17	1.64	116	0.85	1.27
18	1.46	107	1.23	1.32
19	1.68	109	1.18	1.17
20	1.60	110	1.14	1.24
21	1.67	105	1.17	1.13
22	1.49	105	1.18	1.27
23	1.78	113	1.14	1.14
24	1.95	121	1.17	1.12
25	1.69	122	1.20	1.30
26	1.82	121	1.18	1.20
27	1.80	122	1.17	1.22
28	1.86	119	1.15	1.15
29	1.55	121	1.19	1.40
30	1.98	128	1.20	1.17
<b>Avg</b>	<b>1.70</b>	<b>113</b>	<b>1.15</b>	<b>1.20</b>
<b>Min</b>	<b>1.46</b>	<b>101</b>	<b>0.85</b>	<b>1.10</b>
<b>Max</b>	<b>1.98</b>	<b>128</b>	<b>1.23</b>	<b>1.40</b>
<b>Total</b>	<b>50.92</b>	<b>3,376</b>		

Systems that don't use the state lab need to report their distribution system certified lab results here.

Date	Location in the distribution system	Result mg/L

**Notes:**  
 4/17 operators cleaned out the fluoride saturator as part of routine system maintenance

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**Bacteriological Report Form**  
**Utility: Greater Augusta Utility District, PWSID 90080**  
**Greater Augusta Utility District Laboratory, ME012**

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

  
 June Mooney, Water Quality Specialist

Number of samples required	15
Number of samples taken for compliance	27
Number of quality control samples	1
Number of positive samples	0

Samp. #	Location	Sam. Type	Collected by	Collection date & time	Free Cl <sub>2</sub>	Total Cl <sub>2</sub>	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	4-1-09/1:30	0.92	0.91	1.19	MOONEY	4-1-09/3:30	A	COLILERT					
2	WELLHOUSE	DIS	MOONEY	4-1-09/1:50	1.25	1.25	1.20	MOONEY	4-1-09/3:30	A	COLILERT					
3	NORTHWEST STA.	DIS	MOONEY	4-1-09/2:15	1.20	1.21	1.12	MOONEY	4-1-09/3:30	A	COLILERT					
4	WESTERN STA.	DIS	MOONEY	4-7-09/9:35	0.82	0.85	1.16	MOONEY	4-7-09/3:00	A	COLILERT					
5	WELLHOUSE	DIS	MOONEY	4-7-09/9:50	1.30	1.26	1.24	MOONEY	4-7-09/3:00	A	COLILERT					
6	NORTHWEST STA.	DIS	MOONEY	4-7-09/10:40	1.21	1.21	1.25	MOONEY	4-7-09/3:00	A	COLILERT					
7	WILLOW ST. STA.	DIS	MOONEY	4-7-09/11:00	0.92	0.93	1.18	MOONEY	4-7-09/3:00	A	COLILERT					
8	12 WILLIAMS ST.	DIS	MOONEY	4-7-09/11:20	1.03	1.03	1.17	MOONEY	4-7-09/3:00	A	COLILERT					
9	TOGUS STA.	DIS	MOONEY	4-7-09/12:40	0.83	0.83	1.08	MOONEY	4-7-09/3:00	A	COLILERT					
10	HOSPITAL ST. STA.	DIS	MOONEY	4-7-09/1:00	0.88	0.88	1.13	MOONEY	4-7-09/3:00	A	COLILERT					
11	BEST INN	DIS	MOONEY	4-7-09/1:25	0.59	0.64	1.19	MOONEY	4-7-09/3:00	A	COLILERT					
12	WELLHOUSE	DIS	MOONEY	4-14-09/11:05	1.32	1.31	1.17	MOONEY	4-14-09/2:30	A	COLILERT					
13	NORTHWEST STA.	DIS	MOONEY	4-14-09/11:30	1.25	1.23	1.18	MOONEY	4-14-09/2:30	A	COLILERT					
14	12 WILLIAMS ST.	DIS	MOONEY	4-14-09/11:50	1.13	1.12	1.07	MOONEY	4-14-09/2:30	A	COLILERT					
15	WESTERN STA.	DIS	MOONEY	4-14-09/12:50	0.83	0.84	1.14	MOONEY	4-14-09/2:30	A	COLILERT					
16	HOSPITAL ST. STA.	DIS	MOONEY	4-14-09/1:25	0.98	0.97	1.15	MOONEY	4-14-09/2:30	A	COLILERT					
17	WESTERN STA.	DIS	MOONEY	4-23-09/1:30	1.08	1.08	1.29	MOONEY	4-23-09/3:30	A	COLILERT					
18	WELLHOUSE	DIS	MOONEY	4-23-09/1:45	1.05	1.05	1.55	MOONEY	4-23-09/3:30	A	COLILERT					
19	NORTHWEST STA.	DIS	MOONEY	4-23-09/2:05	1.18	1.17	1.31	MOONEY	4-23-09/3:30	A	COLILERT					
20	12 WILLIAMS ST.	DIS	MOONEY	4-23-09/2:25	1.18	1.17	1.16	MOONEY	4-23-09/3:30	A	COLILERT					
21	HOSPITAL ST. STA.	DIS	MOONEY	4-23-09/2:45	0.98	0.97	1.19	MOONEY	4-23-09/3:30	A	COLILERT					
22	WELLHOUSE	DIS	MOONEY	4-28-09/9:15	1.31	1.33	1.26	MOONEY	4-28-09/3:30	A	COLILERT					
23	NORTHWEST STA.	DIS	MOONEY	4-28-09/9:35	1.27	1.26	1.31	MOONEY	4-28-09/3:30	A	COLILERT					
24	WESTERN STA.	DIS	MOONEY	4-28-09/9:55	0.90	0.89	1.12	MOONEY	4-28-09/3:30	A	COLILERT					
25	12 WILLIAMS ST.	DIS	MOONEY	4-28-09/10:55	0.99	0.96	1.15	MOONEY	4-28-09/3:30	A	COLILERT					
26	HOSPITAL ST. STA.	DIS	MOONEY	4-28-09/11:20	0.94	0.95	1.14	MOONEY	4-28-09/3:30	A	COLILERT					
27	MANCHESTER TOWN OFFICE	DIS	MOONEY	4-28-09/2:00	0.43	0.45	1.14	MOONEY	4-28-09/3:30	A	COLILERT					
*	LAB DISTILLED WATER SPC	SPT	MOONEY	4-15-09/9:30	0.00	0.00		MOONEY	4-15-09/10:00							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@augustawater.org**

Reporting period (month and year): **April - 09**

Signature: \_\_\_\_\_ Date: **5/6/2009**

## 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:

This sheet reports production from all three wells at Augusta Water District. This is a supplemental report to the MOR.

### Daily water production (MG)

Date	Triangle Well	South Well	Brookside Well	Sum
1	0.56	0.71	0.63	1.91
2	0.51	1.06	0.14	1.70
3	0.40	1.05	0.21	1.66
4	0.38	1.08	0.04	1.50
5	0.45	1.06	0.15	1.66
6	0.38	0.92	0.44	1.74
7	0.34	0.52	0.78	1.64
8	0.36	0.65	0.78	1.79
9	0.42	0.64	0.75	1.81
10	0.29	0.49	0.81	1.58
11	0.07	0.56	0.83	1.47
12	0.21	0.67	0.80	1.68
13	0.44	0.58	0.75	1.77
14	0.91	0.49	0.23	1.63
15	0.89	0.65	0.18	1.71
16	0.89	0.57	0.25	1.71
17	0.90	0.49	0.25	1.64
18	0.91	0.47	0.08	1.46
19	0.73	0.63	0.32	1.68
20	0.67	0.60	0.34	1.60
21	0.70	0.62	0.35	1.67
22	0.00	1.09	0.40	1.49
23	0.39	0.92	0.46	1.78
24	0.38	1.05	0.51	1.95
25	0.16	1.06	0.47	1.69
26	0.25	1.05	0.52	1.82
27	0.24	1.06	0.50	1.80
28	0.52	0.85	0.48	1.86
29	0.61	0.82	0.11	1.55
30	0.87	0.84	0.27	1.98
<b>Sum</b>	<b>14.86</b>	<b>23.23</b>	<b>12.83</b>	<b>50.92</b>

**Monthly Operating Report**  
**System Type - All GW systems**

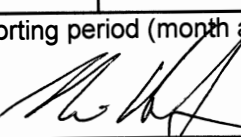
System Name: **Greater Augusta Utility District**

PWSID#: **90080**

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

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

Reporting period (month and year): **April - 09**

Signature:  Date: **5/6/2009**

**System Information**

Treatment plant/pump station: **Triangle Station**

Community System →

Non-transient Non-community →

Transient Non-Community →

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

List any operation problems or comments:  
 The fluoride saturator was cleaned on 4/17.

**Daily water production**

Date	Mgals pumped	Peak hourly flow	pH	Dis. log inactivation
1	1.91	n/a	7.84	n/a
2	1.70	n/a	7.95	n/a
3	1.66	n/a	7.94	n/a
4	1.50	n/a	7.96	n/a
5	1.66	n/a	7.61	n/a
6	1.74	n/a	4.54	n/a
7	1.64	n/a	7.67	n/a
8	1.79	n/a	7.75	n/a
9	1.81	n/a	7.89	n/a
10	1.58	n/a	7.87	n/a
11	1.47	n/a	7.87	n/a
12	1.68	n/a	7.89	n/a
13	1.77	n/a	7.88	n/a
14	1.63	n/a	7.91	n/a
15	1.71	n/a	7.92	n/a
16	1.71	n/a	7.90	n/a
17	1.64	n/a	7.89	n/a
18	1.46	n/a	7.90	n/a
19	1.68	n/a	7.92	n/a
20	1.60	n/a	7.92	n/a
21	1.67	n/a	7.91	n/a
22	1.49	n/a	7.99	n/a
23	1.78	n/a	7.97	n/a
24	1.95	n/a	7.96	n/a
25	1.69	n/a	7.97	n/a
26	1.82	n/a	7.97	n/a
27	1.80	n/a	7.97	n/a
28	1.86	n/a	7.96	n/a
29	1.55	n/a	7.95	n/a
30	1.98	n/a	7.91	n/a
Summary	<b>50.92</b>		<b>7.78</b>	
	(total)	(avg.)	(avg.)	(min.)

**Chemical usage**

From table below: →

List units: (i.e. lbs, gal) →

1	2	3	4	5	6	Disinfectant Residual
gal	gal	lbs				mg/L
1.6	17	50				1.32
1.1	20	0				1.13
0.5	16	100				1.13
1.1	14	0				1.19
0.3	15	0				1.04
2.4	16	100				1.25
-0.3	16	0				1.11
3.0	17	50				1.10
-0.5	18	0				1.08
1.6	19	100				1.10
1.9	17	0				1.05
2.1	15	0				1.03
-0.3	17	100				1.02
1.6	19	0				1.01
1.3	12	0				1.13
1.3	19	0				1.21
1.1	18	550				1.12
0.8	16	0				0.97
1.3	16	0				0.89
1.3	17	0				0.83
1.1	16	100				1.08
0.8	18	50				1.36
1.6	15	0				1.33
1.1	18	100				1.37
2.1	20	0				1.38
-0.3	19	0				1.39
1.3	20	100				1.46
1.6	19	0				1.39
0.8	20	0				1.26
2.1	16	0				1.16
<b>35.73</b>	<b>514</b>	<b>1,400</b>				<b>0.83</b>
(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			
Disinfectant			

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

Number of routine samples taken:	27	Number of repeat samples taken:	0
Number of positive samples:	0	Average chlorine residual at sites:	1.03