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AUGUSTA WATER & SANITARY DISTRICTS

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Engineering Fax: (207) 621-0360

DALE C. GLIDDEN
General Manager

TRUSTEES:

DAVID P. SMITH, President
BEVERLY W. BEAUCAGE, Treasurer
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November 4, 2005

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

Dear Ms. Douin:

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, 2005. You should find the following documents:

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

We modified a suction screen in the sodium fluoride system. That seems to have solved the air binding problem we were experiencing.

If you have any questions, please contact me at 622-8880 x117, or via email at btarbuck@augustawater.org.

Sincerely,


Brian Tarbuck, PE

cc: Dale Glidden

Monthly Fluoride Report
System Type - Fluoride Systems

System Information

System Name: **Augusta Water District**

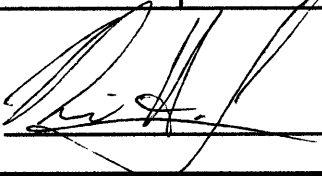
Treatment plant/pump station: **Triangle Station**

PWSID#: **90080**

Fluoride Chemical Used: **Sodium fluoride**

Reporting period: **October, 2005**

Notes:

Signature:  Date: **11/4/2005**

| Date | AWD | Location | HETL |
|-----------------|------|----------------------|------|
| 10/4/2005 9:10 | 0.68 | Triangle Wellhouse | 0.89 |
| 10/4/2005 9:00 | 0.7 | Western Station | 0.78 |
| 10/4/2005 9:45 | 0.79 | Northwest Station | 0.79 |
| 10/4/2005 10:35 | 0.78 | Hospital St. Station | 0.86 |

Fluoride

| Date | Total production | Gallons of makeup water | Daily Average Residual | Theoretical Calculation |
|--------------|------------------|-------------------------|------------------------|-------------------------|
| units: | Mgals | gallons | mg / L | mg / L |
| 1 | 1.72 | 78 | 0.98 | 0.82 |
| 2 | 1.78 | 99 | 0.95 | 1.00 |
| 3 | 2.71 | 144 | 0.80 | 0.96 |
| 4 | 2.20 | 98 | 0.76 | 0.80 |
| 5 | 2.71 | 157 | 0.66 | 1.04 |
| 6 | 2.26 | 144 | 0.47 | 1.14 |
| 7 | 2.37 | 24 | 0.50 | 0.18 |
| 8 | 1.77 | 56 | 0.72 | 0.57 |
| 9 | 1.44 | 87 | 1.01 | 1.08 |
| 10 | 1.79 | 91 | 0.94 | 0.92 |
| 11 | 1.51 | 98 | 0.82 | 1.17 |
| 12 | 1.77 | 98 | 1.19 | 1.00 |
| 13 | 1.98 | 98 | 1.18 | 0.89 |
| 14 | 1.44 | 119 | 1.06 | 1.49 |
| 15 | 1.44 | 113 | 1.23 | 1.41 |
| 16 | 1.88 | 93 | 1.13 | 0.89 |
| 17 | 1.64 | 110 | 1.10 | 1.21 |
| 18 | 0.93 | 118 | 0.95 | 2.29 |
| 19 | 1.70 | 116 | 0.93 | 1.23 |
| 20 | 1.98 | 134 | 1.12 | 1.22 |
| 21 | 1.74 | 85 | 1.19 | 0.87 |
| 22 | 1.71 | 100 | 1.09 | 1.05 |
| 23 | 1.37 | 130 | 1.15 | 1.71 |
| 24 | 1.86 | 90 | 1.05 | 0.87 |
| 25 | 1.74 | 116 | 1.20 | 1.20 |
| 26 | 1.82 | 121 | 1.18 | 1.20 |
| 27 | 1.79 | 115 | 1.13 | 1.15 |
| 28 | 1.73 | 132 | 0.99 | 1.37 |
| 29 | 1.59 | 128 | 1.00 | 1.45 |
| 30 | 1.70 | 99 | 0.77 | 1.04 |
| 31 | 1.70 | 88 | 1.13 | 0.93 |
| Avg | 1.80 | 106 | 0.98 | 1.10 |
| Min | 0.93 | 24 | 0.47 | 0.18 |
| Max | 2.71 | 157 | 1.23 | 2.29 |
| Total | 55.76 | 3,276 | | |

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:
 Sodium fluoride continued to vex operations in October. The suction screen was modified in mid October to prevent air binding. This improved the ability to deliver fluoride considerably.

Bacteriological Report Form
Utility: Augusta Water District, PWSID: 90080
Laboratory: Augusta Water District, Lab # 1015075

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: 29
 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 | | EC 44.5c | HPC 48 hrs |
|---------|-----------------------|-----------|--------------|------------------------|----------------------|-----------------------|-----------------|------------|----------------|----------------|-------------|--------|-------|-----------|------------|
| | | | | | | | | | | Present/Absent | MF/COLILERT | 24 hr | 48 hr | | |
| 1 | BEST INN | DIS | MOONEY | 10-3-05/10:35 | 0.52 | 0.52 | 0.93 | MOONEY | 10-3-05/2:10 | A | COLILERT | | | | |
| 2 | GREYBIRCH | DIS | MOONEY | 10-3-05/10:50 | 0.73 | 0.73 | 0.92 | MOONEY | 10-3-05/2:10 | A | COLILERT | | | | |
| 3 | WILLOW ST. STA. | DIS | MOONEY | 10-3-05/11:45 | 1.23 | 1.23 | 0.74 | MOONEY | 10-3-05/2:10 | A | COLILERT | | | | |
| 4 | HOSPITAL ST. STA. | DIS | MOONEY | 10-3-05/12:30 | 1.15 | 1.14 | 0.74 | MOONEY | 10-3-05/2:10 | A | COLILERT | | | | |
| 5 | WESTERN STA. | DIS | MOONEY | 10-4-05/9:00 | 1.09 | 1.10 | 0.70 | MOONEY | 10-4-05/1:45 | A | COLILERT | | | | |
| 6 | WELLHOUSE | DIS | MOONEY | 10-4-05/9:10 | 1.23 | 1.22 | 0.68 | MOONEY | 10-4-05/1:45 | A | COLILERT | | | | |
| 7 | NORTHWEST STA. | DIS | MOONEY | 10-4-05:9:45 | 1.07 | 1.07 | 0.79 | MOONEY | 10-4-05/1:45 | A | COLILERT | | | | |
| 8 | AWD OFFICE | DIS | MOONEY | 10-4-05/10:20 | 1.07 | 1.07 | 0.78 | MOONEY | 10-4-05/1:45 | A | COLILERT | | | | |
| 9 | MULLIGANS | DIS | MOONEY | 10-4-05/11:10 | 0.24 | 0.27 | 0.87 | MOONEY | 10-4-05/1:45 | A | COLILERT | | | | |
| 10 | TREATMENT PLANT | DIS | MOONEY | 10-4-05/11:50 | 0.20 | 0.21 | 1.13 | MOONEY | 10-4-05/1:45 | A | COLILERT | | | | |
| 11 | TREATMENT PLANT | DIS | TANGERMAN | 10-11-05/13:44 | 0.13 | 0.16 | 0.89 | TANGERMAN | 10-11-05/2:50 | A | COLILERT | | | | |
| 12 | WESTERN STA. | DIS | TANGERMAN | 10-11-05/14:09 | 0.85 | 0.88 | 0.89 | TANGERMAN | 10-11-05/2:50 | A | COLILERT | | | | |
| 13 | WELLHOUSE | DIS | TANGERMAN | 10-11-05/14:29 | 1.31 | 1.33 | 0.23 | TANGERMAN | 10-11-05/2:50 | A | COLILERT | | | | |
| 14 | NORTHWEST STA. | DIS | KT/JC | 10-12-05/10:53 | 1.13 | 1.15 | 0.66 | TANGERMAN | 10-21-05/11:51 | A | COLILERT | | | | |
| 15 | TREATMENT PLANT | DIS | KT/JC | 10-12-05/11:21 | 1.00 | 1.04 | 1.09 | TANGERMAN | 10-21-05/11:51 | A | COLILERT | | | | |
| 16 | AWD OFFICE | DIS | KT/JC | 10-12-05/11:32 | 1.27 | 1.29 | 1.11 | TANGERMAN | 10-21-05/11:51 | A | COLILERT | | | | |
| 17 | TREATMENT PLANT | DIS | MOONEY | 10-18-05/10:00 | 1.27 | 1.27 | 1.11 | MOONEY | 10-18-05/3:15 | A | COLILERT | | | | |
| 18 | WESTERN STA. | DIS | MOONEY | 10-18-05/12:10 | 0.68 | 0.68 | 0.89 | MOONEY | 10-18-05/3:15 | A | COLILERT | | | | |
| 19 | WELLHOUSE | DIS | MOONEY | 10-18-05/12:30 | 1.34 | 1.35 | 1.01 | MOONEY | 10-18-05/3:15 | A | COLILERT | | | | |
| 20 | NORTHWEST STA. | DIS | MOONEY | 10-18-05/1:00 | 1.10 | 1.12 | 1.01 | MOONEY | 10-18-05/3:15 | A | COLILERT | | | | |
| 21 | AWD OFFICE | DIS | MOONEY | 10-18-05/1:30 | 1.14 | 1.16 | 1.03 | MOONEY | 10-18-05/3:15 | A | COLILERT | | | | |
| 22 | HOSPITAL ST. STA. | DIS | MOONEY | 10-18-05/2:00 | 0.78 | 0.80 | 0.98 | MOONEY | 10-18-05/3:15 | A | COLILERT | | | | |
| 23 | TREATMENT PLANT | DIS | MOONEY | 10-25-05/11:20 | 1.27 | 1.28 | 1.33 | MOONEY | 10-25-05/2:00 | A | COLILERT | | | | |
| 24 | TREATMENT PLANT | DIS | MOONEY | 10-25-05/12:15 | 0.72 | 0.73 | 0.96 | MOONEY | 10-25-05/2:00 | A | COLILERT | | | | |
| 25 | TOGUS STA. | DIS | MOONEY | 10-26-05/10:35 | 0.65 | 0.65 | 1.00 | MOONEY | 10-26-05/1:50 | A | COLILERT | | | | |
| 26 | HOSPITAL ST. STA. | DIS | MOONEY | 10-26-05/11:00 | 1.09 | 1.10 | 1.04 | MOONEY | 10-26-05/1:50 | A | COLILERT | | | | |
| 27 | AWD OFFICE | DIS | MOONEY | 10-26-05/11:20 | 1.14 | 1.16 | 1.08 | MOONEY | 10-26-05/1:50 | A | COLILERT | | | | |
| 28 | NORTHWEST STA. | DIS | MOONEY | 10-26-05/11:40 | 1.22 | 1.22 | 1.16 | MOONEY | 10-26-05/1:50 | A | COLILERT | | | | |
| 29 | WESTERN STA. | DIS | MOONEY | 10-26-05/12:30 | 0.64 | 0.67 | 0.97 | MOONEY | 10-26-05/1:50 | A | COLILERT | | | | |
| * | DICK'S SPORTING GOODS | O&M | HAMLIN | 10-17-05/8:44 | 0.00 | 0.00 | 0.96 | MOONEY | 10-17-05/1:15 | A | COLILERT | | | 590:ML | |
| | LAB DISTILLED WATER | SPT | MOONEY | 10-26-05/8:30 | 0.00 | 0.00 | 0.00 | MOONEY | 10-26-05/9:15 | | | | | COND.=1.0 | UMHOS |
| | | | | | | | | | | | | | | | 0.2ML |

Monthly Well Production Report
System Type - All GW systems

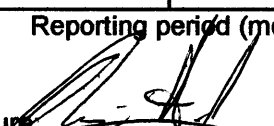
System Name: **Augusta Water District**

PWSID#: **90080**

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

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

Reporting period (month and year): **October - 05**

Signature:  Date: **11/4/2005**

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 | 0.58 | 0.61 | 0.53 | 1.72 |
| 2 | 0.44 | 1.06 | 0.29 | 1.78 |
| 3 | 0.88 | 1.00 | 0.82 | 2.71 |
| 4 | 0.65 | 1.03 | 0.52 | 2.20 |
| 5 | 0.95 | 0.99 | 0.77 | 2.71 |
| 6 | 0.51 | 0.95 | 0.81 | 2.26 |
| 7 | 0.97 | 0.79 | 0.61 | 2.37 |
| 8 | 0.40 | 1.05 | 0.32 | 1.77 |
| 9 | 0.12 | 1.08 | 0.24 | 1.44 |
| 10 | 0.64 | 0.42 | 0.73 | 1.79 |
| 11 | 0.65 | 0.01 | 0.85 | 1.51 |
| 12 | 0.55 | 0.28 | 0.94 | 1.77 |
| 13 | 0.84 | 0.23 | 0.91 | 1.98 |
| 14 | 0.71 | 0.02 | 0.71 | 1.44 |
| 15 | 0.45 | 0.00 | 0.98 | 1.44 |
| 16 | 0.65 | 0.29 | 0.93 | 1.88 |
| 17 | 0.47 | 0.21 | 0.95 | 1.64 |
| 18 | 0.57 | 0.36 | 0.00 | 0.93 |
| 19 | 0.83 | 0.28 | 0.58 | 1.70 |
| 20 | 1.29 | 0.19 | 0.49 | 1.98 |
| 21 | 1.07 | 0.00 | 0.67 | 1.74 |
| 22 | 0.79 | 0.38 | 0.54 | 1.71 |
| 23 | 0.84 | 0.06 | 0.47 | 1.37 |
| 24 | 1.11 | 0.26 | 0.49 | 1.86 |
| 25 | 1.31 | 0.06 | 0.37 | 1.74 |
| 26 | 1.31 | 0.10 | 0.41 | 1.82 |
| 27 | 1.30 | 0.16 | 0.33 | 1.79 |
| 28 | 1.31 | 0.00 | 0.42 | 1.73 |
| 29 | 1.32 | 0.00 | 0.27 | 1.59 |
| 30 | 1.32 | 0.00 | 0.39 | 1.70 |
| 31 | 1.32 | 0.00 | 0.39 | 1.70 |
| Sum | 26.16 | 11.88 | 17.72 | 55.76 |

Monthly Operating Report

System Type - All GW systems

System Name: **Augusta Water District**

PWSID#: **90080**

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

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

Reporting period (month and year): **October - 05**

Signature:  Date: **11/4/2005**

System Information

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

Select one
 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:

Daily water production

| Date | Mgals pumped | Peak hourly flow | pH | Dis. log inactivation |
|----------------|--------------|------------------|-------------|-----------------------|
| 1 | 1.72 | n/a | 7.76 | n/a |
| 2 | 1.78 | n/a | 7.73 | n/a |
| 3 | 2.71 | n/a | 7.74 | n/a |
| 4 | 2.20 | n/a | 7.74 | n/a |
| 5 | 2.71 | n/a | 7.74 | n/a |
| 6 | 2.26 | n/a | 7.75 | n/a |
| 7 | 2.37 | n/a | 7.75 | n/a |
| 8 | 1.77 | n/a | 7.73 | n/a |
| 9 | 1.44 | n/a | 7.74 | n/a |
| 10 | 1.79 | n/a | 7.75 | n/a |
| 11 | 1.51 | n/a | 7.77 | n/a |
| 12 | 1.77 | n/a | 7.76 | n/a |
| 13 | 1.98 | n/a | 7.76 | n/a |
| 14 | 1.44 | n/a | 7.78 | n/a |
| 15 | 1.44 | n/a | 7.75 | n/a |
| 16 | 1.88 | n/a | 7.73 | n/a |
| 17 | 1.64 | n/a | 7.73 | n/a |
| 18 | 0.93 | n/a | 7.75 | n/a |
| 19 | 1.70 | n/a | 7.75 | n/a |
| 20 | 1.98 | n/a | 7.72 | n/a |
| 21 | 1.74 | n/a | 7.74 | n/a |
| 22 | 1.71 | n/a | 7.77 | n/a |
| 23 | 1.37 | n/a | 7.75 | n/a |
| 24 | 1.86 | n/a | 7.73 | n/a |
| 25 | 1.74 | n/a | 7.72 | n/a |
| 26 | 1.82 | n/a | 7.71 | n/a |
| 27 | 1.79 | n/a | 7.70 | n/a |
| 28 | 1.73 | n/a | 7.72 | n/a |
| 29 | 1.59 | n/a | 7.74 | n/a |
| 30 | 1.70 | n/a | 7.74 | n/a |
| 31 | 1.70 | n/a | 7.75 | n/a |
| Summary | 55.76 | | 7.74 | |

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

From table below:

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

Chemical usage

| 1 | 2 | 3 | 4 | 5 | 6 | Disinfectant Residual |
|--------------|------------|--------------|---|---|---|-----------------------|
| gal | gal | lbs | | | | mg/L |
| 0 | 23 | 0 | | | | 1.14 |
| 2 | 20 | 0 | | | | 1.40 |
| 2 | 19 | 0 | | | | 1.29 |
| 4 | 32 | 0 | | | | 1.30 |
| 2 | 25 | 0 | | | | 1.33 |
| 3 | 31 | 150 | | | | 1.33 |
| 3 | 21 | 0 | | | | 1.43 |
| 2 | 13 | 0 | | | | 1.51 |
| 2 | 19 | 0 | | | | 1.49 |
| 4 | 16 | 0 | | | | 1.39 |
| 0 | 20 | 150 | | | | 1.27 |
| 1 | 17 | 0 | | | | 1.31 |
| 2 | 17 | 0 | | | | 1.30 |
| 5 | 20 | 100 | | | | 1.01 |
| 0 | 15 | 0 | | | | 1.16 |
| 0 | 16 | 0 | | | | 1.16 |
| 3 | 19 | 0 | | | | 1.15 |
| 2 | 16 | 0 | | | | 1.15 |
| 3 | 18 | 100 | | | | 1.05 |
| 1 | 17 | 0 | | | | 1.07 |
| 3 | 21 | 100 | | | | 1.07 |
| 2 | 19 | 0 | | | | 0.93 |
| 2 | 19 | 0 | | | | 0.92 |
| 2 | 15 | 150 | | | | 1.14 |
| 2 | 19 | 0 | | | | 1.29 |
| 3 | 20 | 0 | | | | 1.33 |
| 2 | 19 | 0 | | | | 1.34 |
| 2 | 19 | 0 | | | | 1.33 |
| 3 | 20 | 0 | | | | 1.33 |
| 1 | 17 | 150 | | | | 1.33 |
| 2 | 17 | 100 | | | | 1.29 |
| 63.20 | 598 | 1,000 | | | | 0.92 |

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

Chemicals Used

(report fluoride info on separate fluoride form)

| Number | Chemical Name | Purpose | Chemical Strength |
|---------------------|---------------------|---|-------------------|
| 1 | Calciquest liquid | 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: | 29 | Number of repeat samples taken: | 0 |
| Number of positive samples: | 0 | Average chlorine residual at sites: | 0.94 |