



Fluoridation & Chlorination WSSN 2310 Jul-20

| D A T E | Fluoride Applied F mg/l | Fluoride Analyses mg/l | | | Chlorine App. Mg/l | | | Chlorine Residual mg/l | | | | | | | | |
|------------------|-------------------------------|---------------------------|------|------|------------------------------|--|--------------------------|------------------------|------|-------------|------|----|----|----|-----|----|
| | | Raw | Tap | Dist | Chlori ne App. Mg/l | Chlorine (prior to filtration) mg/L OCl ⁻ | Post Chlorine mg/L | Sta II | Dort | 3MG Well | Tap | | | | | |
| | | | | | | | | Free | Free | Free | Free | | | | | |
| | | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1 | | 0.75 | 0.82 | | 1.09 | | | | 1.0 | | | | | | 1.7 | |
| 2 | | 0.78 | 0.76 | | 1.06 | | | | 1.0 | | | | | | 1.7 | |
| 3 | | 0.75 | 0.75 | | 0.96 | | | | 1.0 | | | | | | 1.6 | |
| 4 | | 0.74 | 0.74 | | 0.99 | | | | 0.9 | | | | | | 1.6 | |
| 5 | | 0.72 | 0.74 | | 1.03 | | | | 0.9 | | | | | | 1.6 | |
| 6 | | 0.81 | 0.88 | | 0.99 | | | | 0.9 | | | | | | 1.6 | |
| 7 | | 0.75 | 0.83 | | 1.02 | | | | 1.0 | | | | | | 1.7 | |
| 8 | | 0.80 | 0.93 | | 1.09 | | | | 0.9 | | | | | | 1.6 | |
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| 31 | | | | | | | | | | | | | | | | |
| AVG | | | 0.81 | | 1.03 | | | | 0.9 | | | | | | 1.6 | |
| MAX | | | 0.93 | | 1.09 | | | | 1.0 | | | | | | 1.7 | |
| MIN | | | 0.74 | | 0.96 | | | | 0.9 | | | | | | 1.6 | |



Chemical Analyses WSSN 2310 Jul-20

| D A T E | pH | | Total Hardness as CaCO ₃ mg/l | | Total Alkalinity as CaCO ₃ mg/l | | NonCarbonate Hardness as CaCO ₃ mg/l | | Iron mg/L | | Calcium Ca ²⁺ mg/l | | Magnesium as Mg ²⁺ mg/l | | Chloride as Cl ⁻ mg/l | |
|------------------|------|------|--|-----|--|-----|---|-----|-----------|-------|-------------------------------|------|------------------------------------|-----|----------------------------------|------|
| | CSII | Tap | Raw | Tap | Raw | Tap | Raw | Tap | Raw | Tap | Raw | Tap | Raw | Tap | Raw | Tap |
| | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38.00 | 39 | 40 | 41 | 42 | 43 | 44 |
| 1 | 7.34 | 7.58 | | 100 | | 80 | | 28 | 0 | 0.01 | | 28.9 | | 7.8 | | 14 |
| 2 | 7.33 | 7.56 | | 104 | | 82 | | 34 | 0.0 | 0.00 | | 28.1 | | 8.3 | | 15 |
| 3 | 7.42 | 7.52 | | 102 | | 84 | | 32 | 0.02 | 0.02 | | 28.1 | | 7.8 | | 16 |
| 4 | 7.36 | 7.39 | | 102 | | 80 | | 36 | 0.02 | 0.00 | | 26.5 | | 8.7 | | 17 |
| 5 | 7.45 | 7.54 | | 94 | | 76 | | 30 | 0.02 | 0.01 | | 25.7 | | 7.3 | | 14 |
| 6 | 7.39 | 7.56 | | 98 | | 74 | | 32 | 0 | 0.01 | | 26.5 | | 7.8 | | 15 |
| 7 | 7.35 | 7.51 | 100 | 100 | 78 | 78 | 32 | 28 | 0.02 | 0.01 | 27.3 | 28.9 | 7.8 | 6.8 | 14 | 15 |
| 8 | 7.32 | 7.50 | | 96 | | 80 | | 26 | 0.02 | 0.01 | | 28.1 | | 6.3 | | 14 |
| 9 | | | | | | | | | | | | | | | | |
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| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| AVG | 7.37 | 7.52 | | 100 | | 79 | | 31 | | 0.01 | | 27.6 | | 7.6 | | 15 |
| MAX | 7.45 | 7.58 | | 104 | | 84 | | 36 | | 0.02 | | 28.9 | | 8.7 | | 17.0 |
| MIN | 7.32 | 7.39 | | 94 | | 74 | | 26 | | 0.00 | | 25.7 | | 6.3 | | 14.0 |



WSSN 2310

Jul-20

| D A T E | Total Coliform | | | | | | 66 | Standard Plate Count | | Conductivity (mS) | Temp deg.C | Color | | Odor | |
|------------------|----------------|----|------|----------|--------|---------|----|----------------------|------|-------------------|------------|-------|-----|------|-----|
| | Plant Tap | | | | | | | Raw | Tap | | | Raw | Tap | Raw | Tap |
| | | | Dort | 3MG Well | Sta II | Lab Tap | | | | | | | | | |
| | 60 | 61 | 62 | 63 | 64 | 65 | | | | | | | | | |
| 1 | | | | | | 2/0 | | | 0.23 | 15.1 | | | | | |
| 2 | | | | | | 2/0 | | | 0.23 | 15.2 | | | | | |
| 3 | | | | | | 2/0 | | | 0.23 | 14.6 | | | | | |
| 4 | | | | | | 2/0 | | | 0.22 | 16.4 | | | | | |
| 5 | | | | | | 2/0 | | | 0.23 | 15.6 | | | | | |
| 6 | | | | | | 2/0 | | | 0.22 | 16.0 | | | | | |
| 7 | | | | | | 2/0 | | | 0.22 | 16.3 | | | | | |
| 8 | | | | | | 2/0 | | | 0.22 | 16.6 | | | | | |
| 9 | | | | | | | | | | | | | | | |
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| 30 | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | |
| AVG | | | | | | | | | 0.23 | 15.7 | | | | | |
| MAX | | | | | | | | | 0.23 | 16.6 | | | | | |
| MIN | | | | | | | | | 0.22 | 14.6 | | | | | |



Distribution System Monitoring WSSN 2310

Jul-20

| DATE | Free Chlorine Residual at Bacteriological Monitoring Stations mg/l | | | | | | | | | | | | | | | | | | | | | | | | | Chlorine only sites mg/l | | | | | Number of Samples | |
|------------------------------------|--|------|---|-------------|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|------|------|--------------------------|------|------|------|------|-------------------|---|
| | 1 | 2 | 3 | 4 | CS | 6 | 7 | 8 | 9 | 10 | WR | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 26 | 27 | 28 | 29 | 30 | 21 | 22 | 23 | 24 | 25 | | |
| 1 | | | | | | | | | | | | | 1.48 | 1.51 | 1.34 | 1.37 | 1.32 | | 1.32 | | | | | | 1.59 | | 1.32 | | 1.78 | | | 9 |
| 2 | 1.21 | | | 1.45 | 1.78 | | | | | | 1.44 | | | | | | | | | 1.20 | | 1.75 | | | | 1.49 | | | | | 7 | |
| 3 | | | | | | | | | | | | | | | 1.33 | 1.49 | | | 1.33 | | | | | | | | | | | | 3 | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 6 | 0.78 | 1.27 | | 1.50 | 1.01 | 1.49 | | | | | | | | | | | | 0.82 | | | | | | 1.27 | | | | | | 0.98 | 8 | |
| 7 | | | | | | | | 1.49 | 0.96 | 1.51 | 1.32 | 0.82 | 1.61 | | | | | | | | 1.37 | | | | | | | 1.00 | | | 8 | |
| 8 | | | | | | | | | | | | | 1.57 | 1.31 | 1.55 | 1.58 | | | 1.39 | | | | | | 1.49 | | 1.31 | | 1.69 | 0.92 | 9 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| Monthly Cl₂ Avg. | | | | 1.37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Samples | | | | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Distribution System Monitoring

WSSN 2310

Jul-20

| DATE | Total Chlorine Residual at Bacteriological Monitoring Stations mg/l | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Chlorine only sites mg/l | | | | | Number of Samples |
|------------------------------------|---|------|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|------|----|------|------|------|------|------|------|------|--------------------------|---|---|--|--|-------------------|
| | 1 | 2 | 3 | 4 | CS | 6 | 7 | 8 | 9 | 10 | WR | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 26 | 27 | 28 | 29 | 30 | 21 | 22 | 23 | 24 | 25 | | | | | |
| 1 | | | | | | | | | | | | | 1.87 | 1.67 | 1.62 | 1.63 | 1.45 | | 1.48 | | | | | | 1.71 | | 1.48 | | 1.90 | | | 9 | | | |
| 2 | 1.29 | | | 1.62 | 1.96 | | | | | | 1.46 | | | | | | | | | | 1.37 | | 1.90 | | | 1.73 | | | | | 7 | | | | |
| 3 | | | | | | | | | | | | | | | 1.50 | 1.65 | | 1.46 | | | | | | | | | | | | | 3 | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | |
| 6 | 1.28 | 1.48 | | 1.50 | 1.64 | 1.73 | | | | | | | | | | | | 1.32 | | | | | | 1.44 | | | | | 1.20 | 8 | | | | | |
| 7 | | | | | | | 1.64 | 1.08 | 1.61 | 1.49 | 1.19 | 1.83 | | | | | | | | | 1.55 | | | | | | | 1.17 | | 8 | | | | | |
| 8 | | | | | | | | | | | | | 1.78 | 1.54 | 1.67 | 1.74 | | 1.49 | | | | | | 1.71 | | 1.44 | | 1.82 | 1.15 | 9 | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | |
| Monthly Cl₂ Avg. | | | | 1.57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Samples | | | | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



ROUTINE POSITIVE DISTRIBUTION SAMPLES

Jul-20

| Total number of positive routine samples: | | | | Total Coliform: <u>0</u> | | | E.coli Bacteria: <u>0</u> | | Chlorine Residual (mg/L) | |
|--|--------------------|----------------|-----------------|--------------------------|------|--|---------------------------|-----------------|--------------------------|-------|
| Date | Monitoring Station | Total Coliform | E.coli Bacteria | Date | Time | Retest of Station, Upstream & Downstream | Total Coliform | E.coli Bacteria | Free | Total |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| Total number of routine distribution samples analyzed: | | | | 37 | | | | | | |
| Total number of routine distribution samples required: | | | | 100 | | | | | | |