



Jul-17

| DATE  | Total Million Gallons Purchased | Phosphate as PO <sub>4</sub> (mg/L) | Phosphate applied as PO <sub>4</sub> (mg/L) | Phosphate as PO <sub>4</sub> (mg/L) | 25% Caustic Soda (mg/l) | Turbidity, NTU units |     |      |     |    |           |      |
|-------|---------------------------------|-------------------------------------|---------------------------------------------|-------------------------------------|-------------------------|----------------------|-----|------|-----|----|-----------|------|
|       |                                 |                                     |                                             |                                     |                         | CSII                 | Tap | Raw  |     |    | Plant Tap |      |
|       |                                 | # of Samples                        | Avg.                                        | Max                                 | # of Samples            |                      |     | Avg. | Max |    |           |      |
|       |                                 | 1                                   | 1A                                          | 1B                                  | 6                       | 6a                   | 7   | 8    | 9   | 10 | 11        | 12   |
| 1     | 10.6                            | 1.1                                 | 2.56                                        | 3.7                                 | 2.7                     |                      |     |      |     | 2  | 0.07      | 0.08 |
| 2     | 13.5                            | 1.2                                 | 2.49                                        | 3.7                                 | 2.8                     |                      |     |      |     | 2  | 0.11      | 0.12 |
| 3     | 13.8                            | 1.2                                 | 2.48                                        | 3.7                                 | 2.8                     |                      |     |      |     | 2  | 0.10      | 0.11 |
| 4     | 13.8                            | 1.2                                 | 2.53                                        | 3.6                                 | 2.8                     |                      |     |      |     | 2  | 0.13      | 0.14 |
| 5     | 14.1                            | 1.2                                 | 2.52                                        | 3.8                                 | 2.9                     |                      |     |      |     | 2  | 0.15      | 0.23 |
| 6     | 8.9                             | 1.2                                 | 2.61                                        | 3.7                                 | 2.9                     |                      |     |      |     | 2  | 0.08      | 0.10 |
| 7     | 9.3                             | 1.1                                 | 2.60                                        | 3.7                                 | 3.0                     |                      |     |      |     | 2  | 0.07      | 0.08 |
| 8     | 10.9                            | 1.1                                 | 2.50                                        | 3.7                                 | 3.0                     |                      |     |      |     | 2  | 0.07      | 0.08 |
| 9     | 13.6                            | 1.1                                 | 2.50                                        | 3.5                                 | 2.9                     |                      |     |      |     | 2  | 0.08      | 0.09 |
| 10    | 13.6                            | 1.1                                 | 2.48                                        | 3.6                                 | 2.9                     |                      |     |      |     | 2  | 0.09      | 0.09 |
| 11    | 14.0                            | 1.2                                 | 2.20                                        | 3.6                                 | 2.9                     |                      |     |      |     | 2  | 0.10      | 0.10 |
| 12    | 13.1                            | 1.1                                 | 2.20                                        | 3.0                                 | 2.7                     |                      |     |      |     | 2  | 0.07      | 0.10 |
| 13    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 14    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 15    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 16    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 17    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 18    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 19    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 20    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 21    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 22    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 23    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 24    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 25    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 26    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 27    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 28    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 29    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 30    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| 31    |                                 |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |
| AVG   | 12.42                           | 1.14                                | 2.47                                        | 3.60                                |                         |                      |     |      |     | 2  | 0.09      | 0.11 |
| MAX   | 14.08                           | 1.20                                | 2.61                                        | 3.77                                |                         |                      |     |      |     | 2  | 0.15      | 0.23 |
| MIN   | 8.92                            | 1.06                                | 2.20                                        | 3.01                                |                         |                      |     |      |     | 2  | 0.07      | 0.08 |
| Total | 149.07                          |                                     |                                             |                                     |                         |                      |     |      |     |    |           |      |



**Fluoridation & Chlorination      WSSN 2310      Jul-17**

| D<br>A<br>T<br>E | Fluoride<br>Applied<br>F mg/l | Fluoride Analyses<br>mg/l |      |      | Chlorine App. Mg/l           |                                                                  |                          | Chlorine Residual mg/l |      |             |      |    |    |    |     |    |
|------------------|-------------------------------|---------------------------|------|------|------------------------------|------------------------------------------------------------------|--------------------------|------------------------|------|-------------|------|----|----|----|-----|----|
|                  |                               | Raw                       | Tap  | Dist | Chlori<br>ne<br>App.<br>Mg/l | Chlorine<br>(prior to<br>filtration)<br>mg/L<br>OCl <sup>-</sup> | Post<br>Chlorine<br>mg/L | Sta II                 | Dort | 3MG<br>Well | Tap  |    |    |    |     |    |
|                  |                               |                           |      |      |                              |                                                                  |                          | Free                   | Free | Free        | Free |    |    |    |     |    |
|                  |                               | 14                        | 15   | 16   | 17                           | 18                                                               | 19                       | 20                     | 21   | 22          | 23   | 24 | 25 | 26 | 27  | 28 |
| 1                |                               |                           | 0.80 |      | 1.53                         |                                                                  |                          |                        | 0.8  |             |      |    |    |    | 1.8 |    |
| 2                |                               |                           | 0.79 |      | 1.33                         |                                                                  |                          |                        | 0.8  |             |      |    |    |    | 1.9 |    |
| 3                |                               |                           | 0.74 |      | 1.37                         |                                                                  |                          |                        | 0.8  |             |      |    |    |    | 1.7 |    |
| 4                |                               |                           | 0.65 |      | 1.38                         |                                                                  |                          |                        | 0.9  |             |      |    |    |    | 1.9 |    |
| 5                |                               |                           | 0.71 |      | 1.24                         |                                                                  |                          |                        | 1.1  |             |      |    |    |    | 1.9 |    |
| 6                |                               |                           | 0.73 |      | 1.37                         |                                                                  |                          |                        | 0.9  |             |      |    |    |    | 1.9 |    |
| 7                |                               |                           | 0.68 |      | 1.55                         |                                                                  |                          |                        | 0.7  |             |      |    |    |    | 1.9 |    |
| 8                |                               |                           | 0.74 |      | 1.58                         |                                                                  |                          |                        | 0.8  |             |      |    |    |    | 1.9 |    |
| 9                |                               |                           | 0.76 |      | 1.47                         |                                                                  |                          |                        | 0.8  |             |      |    |    |    | 1.9 |    |
| 10               |                               |                           | 0.75 |      | 1.48                         |                                                                  |                          |                        | 0.8  |             |      |    |    |    | 2.0 |    |
| 11               |                               |                           | 0.75 |      | 1.46                         |                                                                  |                          |                        | 0.8  |             |      |    |    |    | 1.9 |    |
| 12               |                               |                           | 0.80 |      | 1.51                         |                                                                  |                          |                        | 0.7  |             |      |    |    |    | 1.9 |    |
| 13               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 14               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 15               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 16               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 17               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 18               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 19               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 20               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 21               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 22               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 23               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 24               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 25               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 26               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 27               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 28               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 29               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 30               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| 31               |                               |                           |      |      |                              |                                                                  |                          |                        |      |             |      |    |    |    |     |    |
| AVG              |                               |                           | 0.74 |      | 1.44                         |                                                                  |                          |                        | 0.8  |             |      |    |    |    | 1.9 |    |
| MAX              |                               |                           | 0.80 |      | 1.58                         |                                                                  |                          |                        | 1.1  |             |      |    |    |    | 2.0 |    |
| MIN              |                               |                           | 0.65 |      | 1.24                         |                                                                  |                          |                        | 0.7  |             |      |    |    |    | 1.7 |    |



**Chemical Analyses                      WSSN 2310                      Jul-17**

| DATE | pH   |      | Total Hardness as CaCO <sub>3</sub> mg/l |     | Total Alkalinity as CaCO <sub>3</sub> mg/l |     | NonCarbonate Hardness as CaCO <sub>3</sub> mg/l |     | Iron mg/L |      | Calcium Ca <sup>2+</sup> mg/l |      | Magnesium as Mg <sup>2+</sup> mg/l |     | Chloride as Cl <sup>-</sup> 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   | 39                            | 40   | 41                                 | 42  | 43                               | 44   |
| 1    | 7.44 | 7.45 |                                          | 98  |                                            | 72  |                                                 | 26  |           | 0.01 |                               | 31.3 |                                    | 4.9 |                                  | 13   |
| 2    | 7.31 | 7.46 |                                          | 98  |                                            | 74  |                                                 | 24  |           | 0.01 |                               | 29.7 |                                    | 5.8 |                                  | 14   |
| 3    | 7.46 | 7.54 |                                          | 98  |                                            | 76  |                                                 | 22  |           | 0.01 |                               | 28.9 |                                    | 6.3 |                                  | 13   |
| 4    | 7.43 | 7.48 |                                          | 100 |                                            | 74  |                                                 | 26  |           | 0.02 |                               | 29.7 |                                    | 6.3 |                                  | 13   |
| 5    | 7.43 | 7.45 |                                          | 98  |                                            | 76  |                                                 | 22  |           | 0.01 |                               | 29.7 |                                    | 5.8 |                                  | 14   |
| 6    | 7.33 | 7.48 |                                          | 100 |                                            | 76  |                                                 | 26  |           | 0.01 |                               | 29.7 |                                    | 6.3 |                                  | 13   |
| 7    | 7.42 | 7.44 |                                          | 100 |                                            | 74  |                                                 | 26  |           | 0.01 |                               | 30.5 |                                    | 5.8 |                                  | 13   |
| 8    | 7.44 | 7.55 |                                          | 100 |                                            | 74  |                                                 | 26  |           | 0.02 |                               | 31.3 |                                    | 5.3 |                                  | 13   |
| 9    | 7.50 | 7.54 |                                          | 100 |                                            | 76  |                                                 | 24  |           | 0.02 |                               | 31.3 |                                    | 5.3 |                                  | 14   |
| 10   | 7.42 | 7.57 |                                          | 98  |                                            | 74  |                                                 | 24  |           | 0.01 |                               | 30.5 |                                    | 5.3 |                                  | 13   |
| 11   | 7.34 | 7.45 |                                          | 98  |                                            | 74  |                                                 | 24  |           | 0.02 |                               | 29.7 |                                    | 5.8 |                                  | 13   |
| 12   | 7.28 | 7.55 |                                          | 98  |                                            | 74  |                                                 | 24  |           | 0.01 |                               | 29.7 |                                    | 5.8 |                                  | 13   |
| 13   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 14   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 15   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 16   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 17   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 18   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 19   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 20   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 21   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 22   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 23   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 24   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 25   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 26   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 27   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 28   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 29   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 30   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| 31   |      |      |                                          |     |                                            |     |                                                 |     |           |      |                               |      |                                    |     |                                  |      |
| AVG  | 7.40 | 7.50 |                                          | 99  |                                            | 75  |                                                 | 25  |           | 0.01 |                               | 30.2 |                                    | 5.7 |                                  | 13   |
| MAX  | 7.50 | 7.57 |                                          | 100 |                                            | 76  |                                                 | 26  |           | 0.02 |                               | 31.3 |                                    | 6.3 |                                  | 14.0 |
| MIN  | 7.28 | 7.44 |                                          | 98  |                                            | 72  |                                                 | 22  |           | 0.01 |                               | 28.9 |                                    | 4.9 |                                  | 13.0 |



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| D<br>A<br>T<br>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    | 2/0     |    |                      | 0.23 | 14.2              |            |       |     |      |     |
| 2                |                |    |      |          | 2/0    | 2/0     |    |                      | 0.22 | 14.3              |            |       |     |      |     |
| 3                |                |    |      |          | 2/0    | 2/0     |    |                      | 0.23 | 14.8              |            |       |     |      |     |
| 4                |                |    |      |          | 2/0    | 2/0     |    |                      | 0.23 | 14.7              |            |       |     |      |     |
| 5                |                |    |      |          | 2/0    | 2/0     |    |                      | 0.23 | 14.0              |            |       |     |      |     |
| 6                |                |    |      |          | 2/0    | 2/0     |    | <2                   | 0.23 | 14.2              |            |       |     |      |     |
| 7                |                |    |      |          | 2/0    | 2/0     |    |                      | 0.23 | 14.8              |            |       |     |      |     |
| 8                |                |    |      |          | 2/0    | 2/0     |    |                      | 0.23 | 15.5              |            |       |     |      |     |
| 9                |                |    |      |          | 2/0    | 2/0     |    |                      | 0.23 | 15.7              |            |       |     |      |     |
| 10               |                |    |      |          | 2/0    | 2/0     |    |                      | 0.23 | 16.0              |            |       |     |      |     |
| 11               |                |    |      |          | 2/0    | 2/0     |    |                      | 0.23 | 15.9              |            |       |     |      |     |
| 12               |                |    |      |          |        |         |    |                      | 0.23 | 17.1              |            |       |     |      |     |
| 13               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 14               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 15               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 16               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 17               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 18               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 19               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 20               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 21               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 22               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 23               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 24               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 25               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 26               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 27               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 28               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 29               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 30               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| 31               |                |    |      |          |        |         |    |                      |      |                   |            |       |     |      |     |
| AVG              |                |    |      |          |        |         |    |                      | 0.23 | 15.1              |            |       |     |      |     |
| MAX              |                |    |      |          |        |         |    |                      | 0.23 | 17.1              |            |       |     |      |     |
| MIN              |                |    |      |          |        |         |    |                      | 0.22 | 14.0              |            |       |     |      |     |



Distribution System Monitoring WSSN 2310

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| DATE                               | Free Chlorine Residual at Bacteriological Monitoring Stations 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   | 21   | 22   | 23   | 24   | 25 |                   |   |  |  |  |
| 1                                  |                                                                    |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 0                 |   |  |  |  |
| 2                                  |                                                                    |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |                   | 0 |  |  |  |
| 3                                  | 1.17                                                               | 1.27 | 1.41 | 1.45 | 1.39        |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0.86 |      |      |      |    | 6                 |   |  |  |  |
| 4                                  |                                                                    |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 0                 |   |  |  |  |
| 5                                  |                                                                    |      |      |      |             |                                                                                                                       |      |      |      |      |      | 1.66 | 0.89 | 1.57 | 1.23 | 1.44 | 1.61 | 1.05 |      |      |      |      | 1.80 |      |    | 8                 |   |  |  |  |
| 6                                  |                                                                    |      |      |      | 1.66        | 0.56                                                                                                                  |      |      |      |      |      |      |      |      |      |      |      |      | 0.84 | 1.13 |      |      |      | 1.25 |    | 5                 |   |  |  |  |
| 7                                  |                                                                    |      |      |      |             |                                                                                                                       |      |      |      |      |      | 1.24 | 1.68 | 0.67 | 1.58 | 1.53 | 0.72 |      |      |      |      |      |      | 1.28 |    | 7                 |   |  |  |  |
| 8                                  |                                                                    |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 0                 |   |  |  |  |
| 9                                  |                                                                    |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 10                |   |  |  |  |
| 10                                 | 1.18                                                               | 1.26 | 1.47 | 1.44 | 1.37        | 1.27                                                                                                                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0.91 |      |      |      |    | 7                 |   |  |  |  |
| 11                                 |                                                                    |      |      |      |             |                                                                                                                       | 1.26 | 1.70 | 1.61 | 1.62 |      | 1.44 |      |      |      |      |      |      |      |      |      | 1.01 |      |      |    | 6                 |   |  |  |  |
| 12                                 |                                                                    |      |      |      |             |                                                                                                                       |      |      |      |      |      |      | 0.97 | 1.50 | 0.88 | 1.52 | 1.55 | 0.95 |      |      |      |      | 1.76 |      |    | 7                 |   |  |  |  |
| 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                 |   |  |  |  |
| <b>Monthly Cl<sub>2</sub> Avg.</b> |                                                                    |      |      |      | <b>1.30</b> | **Midway Market is being used until West Side Reservoir activities are complete and until further notice (11/15/2016) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |                   |   |  |  |  |
| <b>Total Samples</b>               |                                                                    |      |      |      | <b>46</b>   |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |                   |   |  |  |  |



Distribution System Monitoring

WSSN 2310

Jul-17

| DATE                               | Total Chlorine Residual at Bacteriological Monitoring Stations 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   | 21   | 22   | 23   | 24   | 25   |                   |
| 1                                  |                                                                     |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0                 |
| 2                                  |                                                                     |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0                 |
| 3                                  | 1.39                                                                | 1.42 | 1.53 | 1.65 | 1.54        |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1.15 |      |      |      |      | 6                 |
| 4                                  |                                                                     |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0                 |
| 5                                  |                                                                     |      |      |      |             |                                                                                                                       |      |      |      |      |      | 1.78 | 1.12 | 1.66 | 1.36 | 1.75 | 1.75 | 1.19 |      |      |      |      |      | 2.00 |      | 8                 |
| 6                                  |                                                                     |      |      |      | 1.82        | 0.73                                                                                                                  |      |      |      |      |      |      |      |      |      |      |      |      | 0.97 | 1.39 |      |      |      | 1.55 |      | 5                 |
| 7                                  |                                                                     |      |      |      |             |                                                                                                                       |      |      |      |      |      |      | 1.39 | 1.80 | 0.94 | 1.70 | 1.66 | 0.86 |      |      |      |      |      |      | 1.46 | 7                 |
| 8                                  |                                                                     |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0                 |
| 9                                  |                                                                     |      |      |      |             |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0                 |
| 10                                 | 1.32                                                                | 1.38 | 1.59 | 1.60 | 1.53        | 1.40                                                                                                                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1.10 |      |      |      |      | 7                 |
| 11                                 |                                                                     |      |      |      |             |                                                                                                                       | 1.42 | 1.83 | 1.70 | 1.76 |      | 1.57 |      |      |      |      |      |      |      |      |      | 1.18 |      |      |      | 6                 |
| 12                                 |                                                                     |      |      |      |             |                                                                                                                       |      |      |      |      |      |      | 1.09 | 1.63 | 1.11 | 1.64 | 1.66 | 1.04 |      |      |      |      | 1.90 |      |      | 7                 |
| 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                 |
| <b>Monthly Cl<sub>2</sub> Avg.</b> |                                                                     |      |      |      | <b>1.46</b> | **Midway Market is being used until West Side Reservoir activities are complete and until further notice (11/15/2016) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | <b>1.46</b>       |
| <b>Total Samples</b>               |                                                                     |      |      |      | <b>46</b>   |                                                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | <b>46</b>         |

\*On 12/8/16, Premier Insurance was used. Water was shut of at Liquor Palace.



**ROUTINE POSITIVE DISTRIBUTION SAMPLES**

**Jul-17**

| 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 |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
|                                                        |                    |                |                 |                          |      |                                          |                           |                 |                          |       |
| Total number of routine distribution samples analyzed: |                    |                |                 | <b>46</b>                |      |                                          |                           |                 |                          |       |
| Total number of routine distribution samples required: |                    |                |                 | <b>100</b>               |      |                                          |                           |                 |                          |       |