

City of Broken Arrow WTP Monthly Operational Report Summary  
Water Treatment Plant PWSID# OK 1021508

Reporting Period: [July] [2025]



Operating Data Summary

Water Production (MG)

|                   | Month  | Average Day |
|-------------------|--------|-------------|
| Raw Water Treated | 496.47 | 16.0        |
| Finished Water    | 475.62 | 15.3        |

Monthly Chemical Usage (Non-Membrane Usage)

| Chemical                   | Total lbs | lbs/Finished MG |
|----------------------------|-----------|-----------------|
| Sodium Hypochlorite        | 41,707    | 1,252.7         |
| Salt (for hypo generation) | 125,121   | 3,758.2         |
| Liquid Ammonium Sulfate    | 5,093     | 10.2            |
| Sodium Permanganate        | 1,988     | 2.2             |
| Aluminum Chlorohydrate     | 129,662   | 48.8            |
| Sodium Hydroxide           | 15,092    | 12.2            |
| Hydrofluosilicic Acid      | 0         | 0.0             |

Total Chlorine Residual:

|                                                 | No. Samples |
|-------------------------------------------------|-------------|
| Total Chlorine Residual <2.0 mg/L Leaving Plant | 0           |

Finished Water Turbidity:

|                                | No. Samples | % of Total Samples |
|--------------------------------|-------------|--------------------|
| Greater than 0.5 NTU           | 0           | 0.00               |
| Greater than 0.3 NTU           | 0           | 0.00               |
| Greater than 0.1 NTU           | 0           | 0.00               |
| Total No. of Turbidity Samples | 186         |                    |
| Highest Turbidity Reading      | 0.086       |                    |
| No. Samples > 1 NTU            | 0           |                    |
| No. Samples > 5 NTU            | 0           |                    |

Monthly Costs

|                        | Total               | \$/Finished MG  | \$/1000 gal     |
|------------------------|---------------------|-----------------|-----------------|
| Plant Electricity      | \$63,385.42         | \$133.27        | \$0.1333        |
| Total Chemical         | \$149,846.21        | \$315.06        | \$0.3151        |
| Total Labor            | \$54,004.35         | \$113.55        | \$0.1135        |
| Services               | \$31,902.16         | \$67.08         | \$0.0671        |
| Materials and Supplies | \$2,568.98          | \$5.40          | \$0.0054        |
| Equipment Expenses     | \$8,132.05          | \$17.10         | \$0.0171        |
| <b>Total</b>           | <b>\$309,839.17</b> | <b>\$651.45</b> | <b>\$0.6514</b> |

Individual Membrane Unit Turbidity Checklist

|                                                                                                                  | YES/NO |
|------------------------------------------------------------------------------------------------------------------|--------|
| 1. IS TURBIDITY FROM EACH INDIVIDUAL MEMBRANE UNIT RECORDED EVERY 15 MINUTES?                                    | YES    |
| 2. DID ANY SINGLE MEMBRANE UNIT EXCEED 2.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?                             | NO     |
| No, Go to Question 3.                                                                                            |        |
| Yes, What date was the membrane profile completed?                                                               |        |
| DID THIS SAME MEMBRANE UNIT EXCEED 2.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST MONTH?                |        |
| No, Go to Question 3.                                                                                            |        |
| Yes, Schedule Comprehensive Performance Evaluation (CPE) with DEQ.                                               |        |
| 3. DID ANY SINGLE MEMBRANE UNIT EXCEED 1.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?                             | NO     |
| No, Go to Question 4.                                                                                            |        |
| Yes, What date was the filter profile completed?                                                                 |        |
| DID THIS SAME MEMBRANE UNIT FILTER EXCEED 1.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST 2 MONTHS?      |        |
| No, Go to Question 4.                                                                                            |        |
| Yes, What date was the membrane self-assessment completed?                                                       |        |
| 4. DID ANY SINGLE MEMBRANE UNIT EXCEED 0.5 NTU IN 2 CONSECUTIVE 15-MIN PERIODS AT THE END OF 4 HRS OF OPERATION? | NO     |
| No, You are finished with the checklist.                                                                         |        |
| Yes, What date was the membrane profile completed?                                                               |        |

\* IF ANY OF QUESTIONS 2 THROUGH 4 ARE CHECKED "YES", YOU MUST  
COMPLETE THE TURBIDITY TRIGGER EVALUATION FORM AND ATTACH TO THIS MOR.

I hereby certify the above to be correct to the best of my knowledge:

Notes: Fluoride system down for repairs.

Signed:

*LouAnn Fisher*

8/8/2025

Date

Title:

Water Plant Manager

Operator Certificate No.

25369

Public Water System Name: COBA Water Treatment Plant  
PWS ID No.: OK 1021508

Month:  
Year

July  
2025

| Date         | Water Production and Recycle Flows      |                        |                               |                                    |                                 |
|--------------|-----------------------------------------|------------------------|-------------------------------|------------------------------------|---------------------------------|
|              | Raw Water Pumped to Pre-Sed Basins (MG) | Raw Water Treated (MG) | Finished Water Delivered (MG) | Reverse Filtration Water Used (MG) | Lagoon Decant Water Pumped (MG) |
| 1            | 10.84                                   | 13.20                  | 12.38                         |                                    | 0.80                            |
| 2            | 10.69                                   | 14.81                  | 13.39                         |                                    | 0.74                            |
| 3            | 18.74                                   | 14.88                  | 13.03                         |                                    | 0.93                            |
| 4            | 20.90                                   | 15.70                  | 14.26                         |                                    | 0.76                            |
| 5            | 18.67                                   | 13.57                  | 13.46                         |                                    | 0.62                            |
| 6            | 10.92                                   | 14.89                  | 14.17                         |                                    | 0.76                            |
| 7            | 10.98                                   | 15.75                  | 15.64                         |                                    | 0.97                            |
| 8            | 11.07                                   | 12.21                  | 11.79                         |                                    | 0.94                            |
| 9            | 11.10                                   | 12.44                  | 12.31                         |                                    | 0.61                            |
| 10           | 11.13                                   | 14.58                  | 14.26                         |                                    | 0.46                            |
| 11           | 11.12                                   | 16.19                  | 15.34                         |                                    | 0.51                            |
| 12           | 11.12                                   | 12.69                  | 11.46                         |                                    | 0.86                            |
| 13           | 11.12                                   | 11.73                  | 11.13                         |                                    | 0.81                            |
| 14           | 11.14                                   | 11.93                  | 12.64                         |                                    | 0.62                            |
| 15           | 11.28                                   | 13.83                  | 12.95                         |                                    | 0.49                            |
| 16           | 21.02                                   | 15.47                  | 14.48                         |                                    | 0.85                            |
| 17           | 20.78                                   | 16.03                  | 14.99                         |                                    | 0.68                            |
| 18           | 20.64                                   | 14.06                  | 14.61                         |                                    | 0.72                            |
| 19           | 20.58                                   | 15.81                  | 15.57                         |                                    | 0.76                            |
| 20           | 13.09                                   | 16.78                  | 15.82                         |                                    | 0.74                            |
| 21           | 10.76                                   | 17.57                  | 17.74                         |                                    | 0.73                            |
| 22           | 10.81                                   | 18.77                  | 17.92                         |                                    | 0.72                            |
| 23           | 10.87                                   | 19.05                  | 18.30                         |                                    | 0.72                            |
| 24           | 10.93                                   | 18.48                  | 17.60                         |                                    | 0.71                            |
| 25           | 20.73                                   | 19.57                  | 18.40                         |                                    | 0.72                            |
| 26           | 20.71                                   | 17.59                  | 17.43                         |                                    | 0.71                            |
| 27           | 20.80                                   | 17.80                  | 17.74                         |                                    | 0.71                            |
| 28           | 27.76                                   | 20.08                  | 18.96                         |                                    | 0.70                            |
| 29           | 26.83                                   | 19.86                  | 18.57                         |                                    | 0.74                            |
| 30           | 26.41                                   | 20.98                  | 20.62                         |                                    | 0.83                            |
| 31           | 26.33                                   | 20.19                  | 18.65                         |                                    | 0.78                            |
| <b>TOTAL</b> | <b>499.88</b>                           | <b>496.47</b>          | <b>475.62</b>                 | <b>0.00</b>                        | <b>22.69</b>                    |
| AVG          | 16.13                                   | 16.02                  | 15.34                         | #DIV/0!                            | 0.73                            |
| MAX          | 27.76                                   | 20.98                  | 20.62                         | 0.00                               | 0.97                            |
| MIN          | 10.69                                   | 11.73                  | 11.13                         | 0.00                               | 0.46                            |

Public Water System Name: COBA Water Treatment Plant  
PWS ID No.: OK 1021508

Month: July  
Year: 2025

|                             |          |                           |          |
|-----------------------------|----------|---------------------------|----------|
| <b>TOTAL CHEMICAL COST:</b> |          | <b>\$149,846</b>          |          |
| Cost Per MG Treated         | \$301.83 | Cost Per MG Delivered     | \$315.06 |
| Million Gallons Treated     | 496.47   | Million Gallons Delivered | 475.62   |

### Non-Membrane System Chemical Usage

| Date  | Sodium Hypochlorite (CL) NaClO |         | Liquid Ammonium Sulfate (LAS) |        | Sodium Permanganate (SP) |        | Aluminum Chlorohydrate (ACH) |         | Sodium Hydroxide (SH) |        | Hydrofluosilicic Acid (HFS) |        |
|-------|--------------------------------|---------|-------------------------------|--------|--------------------------|--------|------------------------------|---------|-----------------------|--------|-----------------------------|--------|
|       | gal/day                        | lb/day  | gal/day                       | lb/day | gal/day                  | lb/day | gal/day                      | lb/day  | gal/day               | lb/day | gal/day                     | lb/day |
| 1     | 15,414                         | 1079.00 | 124.5                         | 130.48 | 0.0                      | 0.00   | 611                          | 3415.89 | 140.1                 | 365.04 | 0.0                         | 0.00   |
| 2     | 17,251                         | 1207.58 | 134.0                         | 140.39 | 20.0                     | 38.79  | 650                          | 3634.55 | 151.6                 | 395.22 | 0.0                         | 0.00   |
| 3     | 17,803                         | 1246.19 | 130.3                         | 136.56 | 67.6                     | 130.88 | 635                          | 3549.73 | 175.5                 | 457.37 | 0.0                         | 0.00   |
| 4     | 19,559                         | 1369.10 | 143.5                         | 150.39 | 75.8                     | 146.74 | 690                          | 3852.95 | 211.1                 | 550.07 | 0.0                         | 0.00   |
| 5     | 18,197                         | 1273.81 | 131.1                         | 137.36 | 68.1                     | 131.85 | 609                          | 3403.89 | 193.0                 | 502.96 | 0.0                         | 0.00   |
| 6     | 19,970                         | 1397.90 | 147.2                         | 154.21 | 39.6                     | 76.71  | 706                          | 3947.49 | 216.4                 | 563.87 | 0.0                         | 0.00   |
| 7     | 20,877                         | 1461.41 | 155.0                         | 162.49 | 39.8                     | 77.09  | 747                          | 4171.66 | 227.7                 | 593.38 | 0.0                         | 0.00   |
| 8     | 16,440                         | 1150.80 | 117.5                         | 123.12 | 40.2                     | 77.72  | 561                          | 3132.72 | 173.0                 | 450.98 | 0.0                         | 0.00   |
| 9     | 17,068                         | 1194.79 | 126.8                         | 132.89 | 40.3                     | 77.96  | 622                          | 3477.70 | 185.8                 | 484.20 | 0.0                         | 0.00   |
| 10    | 18,266                         | 1278.59 | 144.4                         | 151.34 | 40.4                     | 78.15  | 694                          | 3875.32 | 209.7                 | 546.44 | 0.0                         | 0.00   |
| 11    | 19,501                         | 1365.04 | 158.1                         | 165.67 | 40.4                     | 78.12  | 757                          | 4229.26 | 228.6                 | 595.88 | 0.0                         | 0.00   |
| 12    | 14,586                         | 1021.04 | 116.4                         | 121.95 | 40.4                     | 78.11  | 556                          | 3108.31 | 169.0                 | 440.48 | 0.0                         | 0.00   |
| 13    | 14,039                         | 982.70  | 109.7                         | 114.98 | 34.5                     | 66.70  | 523                          | 2924.41 | 138.1                 | 359.89 | 0.0                         | 0.00   |
| 14    | 16,014                         | 1120.95 | 130.7                         | 137.00 | 30.3                     | 58.69  | 622                          | 3474.24 | 99.9                  | 260.35 | 0.0                         | 0.00   |
| 15    | 16,221                         | 1135.45 | 132.2                         | 138.58 | 30.4                     | 58.87  | 630                          | 3518.90 | 39.0                  | 101.65 | 0.0                         | 0.00   |
| 16    | 21,977                         | 1538.38 | 149.6                         | 156.79 | 57.2                     | 110.74 | 725                          | 4052.66 | 173.2                 | 451.48 | 0.0                         | 0.00   |
| 17    | 27,568                         | 1929.73 | 155.3                         | 162.74 | 56.6                     | 109.43 | 763                          | 4262.45 | 179.7                 | 468.47 | 0.0                         | 0.00   |
| 18    | 19,974                         | 1398.18 | 146.4                         | 153.44 | 56.2                     | 108.75 | 693                          | 3874.96 | 169.6                 | 442.00 | 0.0                         | 0.00   |
| 19    | 20,766                         | 1453.62 | 163.7                         | 171.58 | 42.8                     | 82.89  | 773                          | 4319.83 | 189.3                 | 493.47 | 0.0                         | 0.00   |
| 20    | 19,893                         | 1392.51 | 158.0                         | 165.55 | 0.0                      | 0.00   | 750                          | 4188.82 | 194.4                 | 506.74 | 0.0                         | 0.00   |
| 21    | 22,357                         | 1564.97 | 189.1                         | 198.21 | 0.0                      | 0.00   | 887                          | 4956.10 | 250.7                 | 653.39 | 0.0                         | 0.00   |
| 22    | 19,887                         | 1392.07 | 182.2                         | 191.00 | 0.0                      | 0.00   | 859                          | 4800.62 | 222.0                 | 578.47 | 0.0                         | 0.00   |
| 23    | 20,321                         | 1422.49 | 189.3                         | 198.42 | 0.0                      | 0.00   | 897                          | 5011.15 | 208.5                 | 543.46 | 0.0                         | 0.00   |
| 24    | 18,617                         | 1303.22 | 180.6                         | 189.26 | 0.0                      | 0.00   | 858                          | 4796.36 | 199.1                 | 518.83 | 0.0                         | 0.00   |
| 25    | 19,662                         | 1376.33 | 190.8                         | 199.95 | 0.0                      | 0.00   | 910                          | 5083.70 | 210.1                 | 547.63 | 0.0                         | 0.00   |
| 26    | 17,995                         | 1259.64 | 175.4                         | 183.82 | 0.0                      | 0.00   | 835                          | 4665.73 | 193.4                 | 504.01 | 0.0                         | 0.00   |
| 27    | 19,269                         | 1348.83 | 185.9                         | 194.84 | 0.0                      | 0.00   | 887                          | 4954.46 | 204.8                 | 533.76 | 0.0                         | 0.00   |
| 28    | 21,454                         | 1501.80 | 193.8                         | 203.13 | 25.9                     | 50.14  | 909                          | 5076.54 | 210.2                 | 547.77 | 0.0                         | 0.00   |
| 29    | 21,557                         | 1508.98 | 194.7                         | 204.08 | 60.9                     | 117.83 | 924                          | 5163.03 | 213.3                 | 555.84 | 0.0                         | 0.00   |
| 30    | 22,740                         | 1591.82 | 212.4                         | 222.55 | 59.9                     | 115.95 | 1,012                        | 5655.76 | 233.7                 | 609.06 | 0.0                         | 0.00   |
| 31    | 20,573                         | 1440.14 | 190.9                         | 200.06 | 59.7                     | 115.56 | 910                          | 5082.40 | 180.2                 | 469.55 | 0.0                         | 0.00   |
| TOTAL | 595,815                        | 41,707  | 4,860                         | 5,093  | 1,027                    | 1,988  | 23,204                       | 129,662 | 5,791                 | 15,092 | 0                           | 0      |
| AVG   | 19,220                         | 1345.39 | 157                           | 164.28 | 33                       | 64.12  | 749                          | 4182.63 | 187                   | 486.83 | 0                           | 0.00   |
| MAX   | 27,568                         | 1929.73 | 212                           | 222.55 | 76                       | 146.74 | 1,012                        | 5655.76 | 251                   | 653.39 | 0                           | 0.00   |
| MIN   | 14,039                         | 982.70  | 110                           | 114.98 | 0                        | 0.00   | 523                          | 2924.41 | 39                    | 101.65 | 0                           | 0.00   |
| COST  | \$22,935.35                    |         | \$8,801.19                    |        | \$14,668.96              |        | \$90,763.11                  |         | \$12,677.04           |        | \$0.55                      |        |
| \$/MG | \$46.20                        |         | \$17.73                       |        | \$29.55                  |        | \$182.82                     |         | \$25.53               |        | \$0.00                      |        |

Public Water System Name: COBA Water Treatment Plant  
PWS ID No.: OK 1021508

Month: July  
Year: 2025

| Date | pH (by Continuous Reading Analyzers) |           |                |           | Hardness and Alkalinity - Finished Water Grab Samples |        |                                        |           |          |          |                             |
|------|--------------------------------------|-----------|----------------|-----------|-------------------------------------------------------|--------|----------------------------------------|-----------|----------|----------|-----------------------------|
|      | Membrane Filtrate                    |           | Finished Water |           | Hardness (ppm)                                        |        | Alkalinity (ppm as CaCO <sub>3</sub> ) |           |          |          | CaCO <sub>3</sub> Stability |
|      | Daily Max                            | Daily Min | Daily Max      | Daily Min | AM                                                    | PM     | Phenol AM                              | Phenol PM | Total AM | Total PM |                             |
| 1    | 7.8                                  | 7.7       | 8.2            | 8.1       | 123.00                                                | 122.00 | 0.00                                   | 0.00      | 88.00    | 87.00    | 0.00                        |
| 2    | 7.7                                  | 7.7       | 8.1            | 8.0       | 123.00                                                | 119.00 | 0.00                                   | 0.00      | 87.00    | 86.00    | -1.00                       |
| 3    | 7.7                                  | 7.7       | 8.1            | 7.9       | 117.00                                                | 119.00 | 0.00                                   | 0.00      | 85.00    | 91.00    | 2.00                        |
| 4    | 7.7                                  | 7.7       | 8.2            | 8.1       | 120.00                                                | 122.00 | 0.00                                   | 0.00      | 89.00    | 89.00    | -3.00                       |
| 5    | 7.8                                  | 7.7       | 8.3            | 8.2       | 121.00                                                | 124.00 | 0.00                                   | 0.00      | 90.00    | 90.00    | -4.00                       |
| 6    | 7.7                                  | 7.7       | 8.2            | 8.2       | 120.00                                                | 118.00 | 0.00                                   | 0.00      | 89.00    | 87.00    | -3.00                       |
| 7    | 7.8                                  | 7.7       | 8.3            | 8.2       | 122.00                                                | 118.00 | 0.00                                   | 0.00      | 88.00    | 89.00    | -2.00                       |
| 8    | 7.8                                  | 7.7       | 8.3            | 8.3       | 116.00                                                | 118.00 | 0.00                                   | 0.00      | 88.00    | 90.00    | 2.00                        |
| 9    | 7.8                                  | 7.7       | 8.4            | 8.3       | 114.00                                                | 118.00 | 0.00                                   | 0.00      | 86.00    | 86.00    | 1.00                        |
| 10   | 7.7                                  | 7.7       | 8.3            | 8.2       | 120.00                                                | 120.00 | 0.00                                   | 0.00      | 89.00    | 89.00    | 2.00                        |
| 11   | 7.7                                  | 7.7       | 8.3            | 8.2       | 128.00                                                | 124.00 | 0.00                                   | 0.00      | 90.00    | 90.00    | 8.00                        |
| 12   | 7.8                                  | 7.7       | 8.4            | 8.3       | 122.00                                                | 126.00 | 0.00                                   | 0.00      | 92.00    | 89.00    | 5.00                        |
| 13   | 7.9                                  | 7.8       | 8.5            | 8.4       | 126.00                                                | 126.00 | 0.00                                   | 0.00      | 89.00    | 88.00    | 2.00                        |
| 14   | 7.8                                  | 7.8       | 8.4            | 7.9       | 128.00                                                | 124.00 | 0.00                                   | 0.00      | 87.00    | 88.00    | 1.00                        |
| 15   | 7.8                                  | 7.7       | 7.9            | 7.7       | 121.00                                                | 129.00 | 0.00                                   | 0.00      | 84.00    | 86.00    | 1.00                        |
| 16   | 7.7                                  | 7.7       | 8.1            | 7.9       | 130.00                                                | 130.00 | 0.00                                   | 0.00      | 88.00    | 88.00    | -5.00                       |
| 17   | 7.8                                  | 7.7       | 8.2            | 8.1       | 126.00                                                | 130.00 | 0.00                                   | 0.00      | 82.00    | 87.00    | 2.00                        |
| 18   | 7.8                                  | 7.7       | 8.2            | 8.1       | 133.00                                                | 133.00 | 0.00                                   | 0.00      | 89.00    | 88.00    | 1.00                        |
| 19   | 7.8                                  | 7.7       | 8.1            | 8.1       | 139.00                                                | 137.00 | 0.00                                   | 0.00      | 90.00    | 88.00    | 0.00                        |
| 20   | 7.8                                  | 7.7       | 8.3            | 8.1       | 140.00                                                | 138.00 | 0.00                                   | 0.00      | 89.00    | 90.00    | 0.00                        |
| 21   | 7.9                                  | 7.8       | 8.5            | 8.3       | 140.00                                                | 141.00 | 0.00                                   | 0.00      | 90.00    | 95.00    | 2.00                        |
| 22   | 7.9                                  | 7.8       | 8.5            | 8.4       | 135.00                                                | 144.00 | 0.00                                   | 0.00      | 93.00    | 95.00    | 5.00                        |
| 23   | 7.9                                  | 7.9       | 8.4            | 8.3       | 144.00                                                | 144.00 | 0.00                                   | 0.00      | 96.00    | 92.00    | 0.00                        |
| 24   | 7.9                                  | 7.9       | 8.4            | 8.3       | 143.00                                                | 145.00 | 0.00                                   | 0.00      | 96.00    | 94.00    | 4.00                        |
| 25   | 7.9                                  | 7.9       | 8.4            | 8.3       | 149.00                                                | 149.00 | 0.00                                   | 0.00      | 97.00    | 93.00    | 4.00                        |
| 26   | 7.9                                  | 7.9       | 8.4            | 8.3       | 151.00                                                | 148.00 | 0.00                                   | 0.00      | 99.00    | 97.00    | 3.00                        |
| 27   | 7.9                                  | 7.9       | 8.4            | 8.3       | 151.00                                                | 155.00 | 0.00                                   | 0.00      | 100.00   | 96.00    | 0.00                        |
| 28   | 8.0                                  | 7.9       | 8.5            | 8.4       | 148.00                                                | 150.00 | 0.00                                   | 0.00      | 97.00    | 99.00    | 3.00                        |
| 29   | 8.5                                  | 7.9       | 8.5            | 8.5       | 152.00                                                | 154.00 | 0.00                                   | 0.00      | 98.00    | 102.00   | 4.00                        |
| 30   | 8.0                                  | 7.9       | 8.5            | 8.4       | 147.00                                                | 149.00 | 0.00                                   | 0.00      | 101.00   | 101.00   | 5.00                        |
| 31   | 8.1                                  | 7.9       | 8.5            | 8.3       | 151.00                                                | 150.00 | 0.00                                   | 0.00      | 102.00   | 104.00   | 2.00                        |
| AVG  |                                      |           |                |           | 132                                                   | 133    | 0                                      | 0         | 91       | 91       | 1                           |
| MAX  | 8.5                                  | 7.9       | 8.5            | 8.5       | 152                                                   | 155    | 0                                      | 0         | 102      | 104      | 8                           |
| MIN  | 7.7                                  | 7.7       | 7.9            | 7.7       | 114                                                   | 118    | 0                                      | 0         | 82       | 86       | -5                          |

Public Water System Name: COBA Water Treatment Plant  
PWS ID No.: OK 1021508

Month: July  
Year: 2025

| Date | Turbidity (NTU) Continuous Reading Analyzers      |         |         |          |         |         | Chlorine Residual (Total or Free as Noted, mg/L) Continuous Reading Analyzers |         |         |          |         |         |
|------|---------------------------------------------------|---------|---------|----------|---------|---------|-------------------------------------------------------------------------------|---------|---------|----------|---------|---------|
|      | Finished Water (Highest Reading in 4-hour Period) |         |         |          |         |         | Finished Water Total Chlorine (Min. in 4 Hour Period)                         |         |         |          |         |         |
|      | 12:00 AM                                          | 4:00 AM | 8:00 AM | 12:00 PM | 4:00 PM | 8:00 PM | 12:00 AM                                                                      | 4:00 AM | 8:00 AM | 12:00 PM | 4:00 PM | 8:00 PM |
| 1    | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.74                                                                          | 3.77    | 3.71    | 3.70     | 3.72    | 3.74    |
| 2    | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.73                                                                          | 3.74    | 3.75    | 3.74     | 3.72    | 3.71    |
| 3    | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.89                                                                          | 3.74    | 3.75    | 3.78     | 3.79    | 3.78    |
| 4    | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.03    | 3.92                                                                          | 3.92    | 3.92    | 3.93     | 3.94    | 3.95    |
| 5    | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.88                                                                          | 3.88    | 3.85    | 3.84     | 3.79    | 3.76    |
| 6    | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.90                                                                          | 3.87    | 3.90    | 3.91     | 3.89    | 3.89    |
| 7    | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.98                                                                          | 3.92    | 3.93    | 3.95     | 3.93    | 4.00    |
| 8    | 0.02                                              | 0.03    | 0.02    | 0.02     | 0.02    | 0.02    | 3.87                                                                          | 3.97    | 3.93    | 3.88     | 3.85    | 3.86    |
| 9    | 0.02                                              | 0.03    | 0.03    | 0.02     | 0.02    | 0.06    | 3.94                                                                          | 3.88    | 3.87    | 3.84     | 3.85    | 3.95    |
| 10   | 0.05                                              | 0.02    | 0.02    | 0.02     | 0.03    | 0.03    | 3.87                                                                          | 3.94    | 3.96    | 3.97     | 3.95    | 3.89    |
| 11   | 0.02                                              | 0.02    | 0.02    | 0.03     | 0.04    | 0.02    | 3.97                                                                          | 3.86    | 3.89    | 4.00     | 4.00    | 3.98    |
| 12   | 0.02                                              | 0.03    | 0.02    | 0.02     | 0.02    | 0.03    | 3.88                                                                          | 3.94    | 3.95    | 3.95     | 3.92    | 3.90    |
| 13   | 0.02                                              | 0.02    | 0.03    | 0.02     | 0.03    | 0.02    | 3.97                                                                          | 3.88    | 3.87    | 3.94     | 3.95    | 3.96    |
| 14   | 0.03                                              | 0.03    | 0.02    | 0.03     | 0.02    | 0.03    | 3.91                                                                          | 3.97    | 3.93    | 3.95     | 3.95    | 3.96    |
| 15   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.70                                                                          | 3.86    | 3.81    | 3.72     | 3.69    | 3.61    |
| 16   | 0.04                                              | 0.02    | 0.03    | 0.02     | 0.02    | 0.03    | 3.55                                                                          | 3.67    | 3.69    | 3.45     | 3.44    | 3.44    |
| 17   | 0.02                                              | 0.02    | 0.03    | 0.02     | 0.04    | 0.02    | 3.94                                                                          | 3.84    | 3.96    | 3.98     | 3.97    | 3.95    |
| 18   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.92                                                                          | 3.91    | 3.91    | 3.93     | 3.93    | 3.93    |
| 19   | 0.03                                              | 0.03    | 0.02    | 0.02     | 0.03    | 0.02    | 3.99                                                                          | 3.92    | 3.94    | 3.92     | 3.91    | 3.97    |
| 20   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 4.01                                                                          | 4.01    | 3.95    | 3.92     | 3.90    | 3.97    |
| 21   | 0.02                                              | 0.02    | 0.05    | 0.02     | 0.03    | 0.03    | 4.09                                                                          | 4.00    | 4.07    | 4.11     | 4.17    | 4.17    |
| 22   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 4.09                                                                          | 3.98    | 3.94    | 3.81     | 3.86    | 4.02    |
| 23   | 0.05                                              | 0.03    | 0.02    | 0.02     | 0.02    | 0.02    | 3.99                                                                          | 4.12    | 4.13    | 4.14     | 4.10    | 4.09    |
| 24   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.94                                                                          | 3.97    | 3.95    | 3.94     | 3.94    | 3.93    |
| 25   | 0.03                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.96                                                                          | 3.92    | 3.91    | 3.94     | 3.97    | 3.97    |
| 26   | 0.03                                              | 0.02    | 0.03    | 0.02     | 0.02    | 0.03    | 3.73                                                                          | 3.91    | 3.85    | 3.81     | 3.79    | 3.79    |
| 27   | 0.02                                              | 0.02    | 0.03    | 0.03     | 0.02    | 0.02    | 3.95                                                                          | 3.82    | 3.80    | 3.82     | 3.86    | 3.90    |
| 28   | 0.03                                              | 0.02    | 0.02    | 0.02     | 0.03    | 0.02    | 3.92                                                                          | 3.86    | 3.84    | 3.90     | 3.92    | 3.92    |
| 29   | 0.02                                              | 0.09    | 0.03    | 0.02     | 0.03    | 0.02    | 4.09                                                                          | 3.94    | 3.92    | 3.92     | 3.92    | 4.05    |
| 30   | 0.02                                              | 0.02    | 0.02    | 0.03     | 0.02    | 0.02    | 3.84                                                                          | 4.05    | 4.02    | 4.05     | 4.00    | 3.89    |
| 31   | 0.03                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.83                                                                          | 3.82    | 3.88    | 3.94     | 3.96    | 3.87    |
| AVG  | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.9                                                                           | 3.9     | 3.9     | 3.9      | 3.9     | 3.9     |
| MAX  | 0.05                                              | 0.09    | 0.05    | 0.03     | 0.04    | 0.06    | 4.1                                                                           | 4.1     | 4.1     | 4.1      | 4.2     | 4.2     |
| MIN  | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.5                                                                           | 3.7     | 3.7     | 3.5      | 3.4     | 3.4     |

#### Finished Water Turbidity Summary and Statistics

|                                | No. of Samples | Percent of Total Samples |
|--------------------------------|----------------|--------------------------|
| Turbidity Greater Than 0.5 NTU | 0              | 0                        |
| Turbidity Greater Than 0.3 NTU | 0              | 0                        |
| Turbidity Greater Than 0.1 NTU | 0              | 0                        |

|                                   |     |
|-----------------------------------|-----|
| Total Number of Turbidity Samples | 186 |
|-----------------------------------|-----|

PWSID 1021508

SYSTEM COBA WTP

MONTH July

\*Type of Material Applied

**Hydrofluosilicic Acid**

YEAR 2025

| Date  | Water Treated<br>1,000s of Gallons | APPLIED |          | RESIDUAL F, ppm (RAW) |      | RESIDUAL F, ppm<br>(FINISHED WATER) |      |
|-------|------------------------------------|---------|----------|-----------------------|------|-------------------------------------|------|
|       |                                    | LBS/DAY | PPM of F | AM                    | PM   | AM                                  | PM   |
| 1     | 12,377                             | 0       | 0.00     | 0.06                  | 0.15 | 0.08                                | 0.05 |
| 2     | 13,390                             | 0       | 0.00     | 0.07                  | 0.24 | 0.00                                | 0.09 |
| 3     | 13,028                             | 0       | 0.00     | 0.12                  | 0.33 | 0.00                                | 0.22 |
| 4     | 14,264                             | 0       | 0.00     | 0.20                  | 0.21 | 0.06                                | 0.13 |
| 5     | 13,458                             | 0       | 0.00     | 0.16                  | 0.31 | 0.04                                | 0.12 |
| 6     | 14,168                             | 0       | 0.00     | 0.19                  | 0.20 | 0.03                                | 0.05 |
| 7     | 15,645                             | 0       | 0.00     | 0.13                  | 0.21 | 0.06                                | 0.05 |
| 8     | 11,787                             | 0       | 0.00     | 0.28                  | 0.16 | 0.43                                | 0.01 |
| 9     | 12,309                             | 0       | 0.00     | 0.19                  | 0.34 | 0.06                                | 0.27 |
| 10    | 14,256                             | 0       | 0.00     | 0.20                  | 0.20 | 0.05                                | 0.00 |
| 11    | 15,336                             | 0       | 0.00     | 0.18                  | 0.65 | 0.00                                | 0.50 |
| 12    | 11,457                             | 0       | 0.00     | 0.17                  | 0.22 | 0.07                                | 0.00 |
| 13    | 11,134                             | 0       | 0.00     | 0.12                  | 0.27 | 0.00                                | 0.12 |
| 14    | 12,637                             | 0       | 0.00     | 0.17                  | 0.15 | 0.20                                | 0.04 |
| 15    | 12,952                             | 0       | 0.00     | 0.18                  | 0.23 | 0.05                                | 0.06 |
| 16    | 14,482                             | 0       | 0.00     | 0.18                  | 0.25 | 0.05                                | 0.07 |
| 17    | 14,993                             | 0       | 0.00     | 0.28                  | 0.29 | 0.03                                | 0.00 |
| 18    | 14,612                             | 0       | 0.00     | 0.16                  | 0.10 | 0.01                                | 0.12 |
| 19    | 15,565                             | 0       | 0.00     | 0.21                  | 0.42 | 0.04                                | 0.17 |
| 20    | 15,818                             | 0       | 0.00     | 0.10                  | 0.28 | 0.00                                | 0.08 |
| 21    | 17,743                             | 0       | 0.00     | 0.16                  | 0.28 | 0.13                                | 0.09 |
| 22    | 17,922                             | 0       | 0.00     | 0.19                  | 0.23 | 0.00                                | 0.03 |
| 23    | 18,303                             | 0       | 0.00     | 0.09                  | 0.30 | 0.00                                | 0.12 |
| 24    | 17,604                             | 0       | 0.00     | 0.23                  | 0.18 | 0.11                                | 0.00 |
| 25    | 18,400                             | 0       | 0.00     | 0.21                  | 0.19 | 0.09                                | 0.06 |
| 26    | 17,434                             | 0       | 0.00     | 0.20                  | 0.21 | 0.04                                | 0.10 |
| 27    | 17,737                             | 0       | 0.00     | 0.17                  | 0.05 | 0.00                                | 0.00 |
| 28    | 18,962                             | 0       | 0.00     | 0.06                  | 0.12 | 0.00                                | 0.01 |
| 29    | 18,570                             | 0       | 0.00     | 0.22                  | 0.08 | 0.00                                | 0.02 |
| 30    | 20,620                             | 0       | 0.00     | 0.22                  | 0.11 | 0.00                                | 0.03 |
| 31    | 18,652                             | 0       | 0.00     | 0.31                  | 0.31 | 0.09                                | 0.11 |
| Total | 475,616                            | 0       |          |                       |      |                                     |      |
| Avg.  | 15,342                             | 0       | 0.00     | 0.17                  | 0.23 | 0.06                                | 0.09 |

\*Example: Sodium Fluoride, Sodium Fluorosilicate (Sodium Silicofluoride), and

Fluorosilicic Acid (Hydrofluosilicic Acid)

It is required that this report be received by the 10th of the following month.

SEND TO: OSDH-Dental Health Services AND

Dept of Environmental Quality

1000 N.E. Tenth Street

PO Box 1677

Oklahoma City, OK 73117-1299

Oklahoma City, OK 73101-1677

I hereby certify the above to be

correct to the best of my knowledge.

Signed LouAnn Fisher

Title: Water Plant Manager

City Broken Arrow

ODH Form No. 561 / DEQ Form 631-001

**Notes:** Fluoride system down for repairs.

|                           |                            |        |      |
|---------------------------|----------------------------|--------|------|
| Public Water System Name: | COBA Water Treatment Plant | Month: | July |
| PWS ID No.:               | OK 1021508                 | Year:  | 2025 |

| Date | Distribution Total Chlorine mg/L<br>A.M. Sample |                         |      |         | Distribution Total Chlorine mg/L<br>P.M. Sample |                          |      |         |
|------|-------------------------------------------------|-------------------------|------|---------|-------------------------------------------------|--------------------------|------|---------|
|      | Time                                            | Location                | mg/L | Sampler | Time                                            | Location                 | mg/L | Sampler |
| 1    | 09:10                                           | 4121 E. Omaha St.       | 3.10 | M.L.    | 13:18                                           | 1521 N. Queens St.       | 2.60 | M.L.    |
| 2    | 07:40                                           | 13725 S. 124th E. Ave.  | 2.90 | M.L.    | 13:10                                           | 1817 S. Date Ave.        | 2.60 | M.L.    |
| 3    | 7:49                                            | 6601 W. Broadway St.    | 3.20 | L.M.    | 14:27                                           | 2605 W. Madison St.      | 3.00 | L.M.    |
| 4    | 11:20                                           | 7900 E. Norman St.      | 3.30 | S.B     | 12:23                                           | 702 E. Mason Dr.         | 3.30 | S.B     |
| 5    | 11:48                                           | 2513 E Dallas St        | 2.80 | ME      | 12:45                                           | 322 W Detroit St         | 3.00 | ME      |
| 6    | 11:02                                           | 6057 S. 353rd E. Ave.   | 3.90 | T.R.    | 16:38                                           | 36500 E. 66th St. S.     | 3.90 | T.R.    |
| 7    | 09:39                                           | 7812 E. Freeport St.    | 3.50 | M.L.    | 13:40                                           | 805 W. Albuquerque St.   | 3.20 | M.L.    |
| 8    | 09:12                                           | 5404 W. Orlando Cir.    | 3.00 | M.L.    | 12:37                                           | 605 S. Elder Ave.        | 2.90 | M.L.    |
| 9    | 08:05                                           | 515 W. Quanah Pl.       | 3.30 | M.L.    | 12:47                                           | 4121E. Omaha St.         | 2.70 | M.L.    |
| 10   | 08:21                                           | 7213 S. Dennis Blvd.    | 3.50 | M.L.    | 12:28                                           | 1005 N. Willow Ave.      | 3.20 | M.L.    |
| 11   | 07:54                                           | 1908 E. Tucson Ct.      | 2.80 | M.L     | 12:18                                           | 701 E. Detroit St.       | 3.40 | M.L     |
| 12   | 11:11                                           | 1200 E. Dover St.       | 3.70 | S.B     | 12:10                                           | 1301 N. 53rd St.         | 3.70 | S.B     |
| 13   | 11:55                                           | 2909 E. Montpelier St.  | 3.40 | R.M.    | 14:27                                           | 702 E. Mason Dr.         | 3.50 | R.M.    |
| 14   | 10:19                                           | 322 W. Detroit St.      | 2.80 | M.L.    | 14:14                                           | 4755 S. Aspen Ave.       | 3.20 | M.L.    |
| 15   | 07:54                                           | 2909 E. Montpelier St.  | 3.30 | M.L.    | 12:27                                           | 605 S. Elder Ave.        | 2.70 | M.L.    |
| 16   | 08:49                                           | 1116 S Granger St.      | 3.00 | M.L.    | 14:20                                           | 7214 S. Henry St.        | 3.40 | M.L.    |
| 17   | 07:50                                           | 4213 S. Walnut Pl.      | 3.10 | M.L.    | 12:06                                           | 3301 N. Elm Ave.         | 3.10 | M.L.    |
| 18   | 7:46                                            | 6405 5th Ave.           | 3.20 | ML      | 12:27                                           | 401 S 26th St.           | 3.80 | ML      |
| 19   | 11:30                                           | 36500 E 66th St.S       | 3.50 | ME      | 15:15                                           | 6057 S 353rd E Ave.      | 3.80 | ME      |
| 20   | 11:41                                           | 1116 W. Granger St.     | 3.00 | T.R.    | 12:22                                           | 2400 W. Omaha St.        | 3.10 | T.R.    |
| 21   | 09:49                                           | 2513 E. Dallas St.      | 2.60 | M.L.    | 13:42                                           | 304 W. Charlotte St.     | 3.20 | M.L.    |
| 22   | 07:35                                           | 814 E. Honolulu Pl.     | 3.90 | A.R.    | 15:55                                           | 1909 W. Rockport St.     | 2.80 | A.R.    |
| 23   | 8:20                                            | 3445 Johanna Blvd       | 3.70 | AR      | 12:06                                           | 4900 W Commercial Street | 3.90 | AR      |
| 24   | 08:57                                           | 7213 S. Dennis Blvd.    | 3.90 | M.L.    | 12:02                                           | 5005 S. Lions Ave.       | 3.70 | M.L.    |
| 25   | 10:00                                           | 3800 W El Paso St.      | 3.40 | ML      | 12:48                                           | 13154 S 116th E Ave      | 3.50 | ML      |
| 26   | 11:35                                           | 7900 E. Norman St.      | 4.10 | S.B     | 12:37                                           | 2513 E. Dallas St.       | 3.00 | S.B     |
| 27   | 11:47                                           | 2909 E. Montpelier St.  | 3.70 | R.M.    | 13:30                                           | 702 E. Mason Dr.         | 3.50 | R.M.    |
| 28   | 09:31                                           | 1005 N. Willow Ave.     | 3.80 | M.L.    | 12:32                                           | 708 W. Waco St.          | 3.80 | M.L.    |
| 29   | 08:14                                           | 46087 W. Eagle Pass St. | 3.90 | M.L.    | 12:27                                           | 1301 N. 53rd St.         | 3.90 | M.L.    |
| 30   | 10:37                                           | 804 1st St.             | 3.70 | M.L     | 12:30                                           | 4312 S. Fern Ave         | 3.80 | M.L     |
| 31   | 09:52                                           | 705 S. 75th St.         | 3.60 | M.L     | 14:11                                           | 720 S. Ash Ave           | 3.50 | M.L     |

Average 3.38  
Min. 2.60  
Max. 4.10

Average 3.32  
Min. 2.60  
Max. 3.90