

## City of Broken Arrow WTP Monthly Operational Report Summary

Water Treatment Plant PWSID# OK 1021508

Reporting Period: [June] [2025]

CITY OF  
**BROKEN ARROW**

Where opportunity lives

## Operating Data Summary

## Water Production (MG)

|                   | Month  | Average Day |
|-------------------|--------|-------------|
| Raw Water Treated | 389.22 | 13.0        |
| Finished Water    | 372.84 | 12.4        |

## Monthly Chemical Usage (Non-Membrane Usage)

| Chemical                   | Total lbs | lbs/Finished MG |
|----------------------------|-----------|-----------------|
| Sodium Hypochlorite        | 30,854    | 1,182.2         |
| Salt (for hypo generation) | 92,561    | 3,546.5         |
| Liquid Ammonium Sulfate    | 3,766     | 9.6             |
| Sodium Permanganate        | 2,132     | 3.0             |
| Aluminum Chlorohydrate     | 101,672   | 48.8            |
| Sodium Hydroxide           | 12,951    | 13.3            |
| 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 | 180         |                    |
| Highest Turbidity Reading      | 0.092       |                    |
| No. Samples > 1 NTU            | 0           |                    |
| No. Samples > 5 NTU            | 0           |                    |

## Monthly Costs

|                        | Total               | \$/Finished MG    | \$/1000 gal     |
|------------------------|---------------------|-------------------|-----------------|
| Plant Electricity      | \$80,392.23         | \$215.62          | \$0.2156        |
| Total Chemical         | \$121,261.76        | \$325.24          | \$0.3252        |
| Total Labor            | \$114,705.03        | \$307.65          | \$0.3077        |
| Services               | \$77,597.61         | \$208.12          | \$0.2081        |
| Materials and Supplies | \$27,434.42         | \$73.58           | \$0.0736        |
| Equipment Expenses     | \$16,814.18         | \$45.10           | \$0.0451        |
| <b>Total</b>           | <b>\$438,205.23</b> | <b>\$1,175.31</b> | <b>\$1.1753</b> |

## Individual Membrane Unit Turbidity Checklist

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:

Signed:

7/10/2025

Date

Title:

Water Plant Manager

Operator Certificate No.

25369

Notes: 1: Fluoride feed down for repairs.  
2: Membrane Filtrate pH on the 27th: SCADA recorded invalid numbers due to power outage from lightning.

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

Month:  
Year

June  
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            | 10.80                                   | 12.83                  | 11.64                         |                                    | 0.70                            |
| 2            | 10.50                                   | 13.87                  | 13.58                         |                                    | 0.69                            |
| 3            | 19.40                                   | 13.64                  | 11.96                         |                                    | 0.70                            |
| 4            | 28.30                                   | 11.80                  | 10.79                         |                                    | 0.69                            |
| 5            | 9.40                                    | 11.26                  | 11.47                         |                                    | 0.52                            |
| 6            | 10.50                                   | 10.87                  | 10.55                         |                                    | 0.60                            |
| 7            | 8.50                                    | 10.19                  | 10.13                         |                                    | 0.59                            |
| 8            | 9.50                                    | 13.33                  | 11.35                         |                                    | 0.59                            |
| 9            | 9.80                                    | 11.64                  | 11.82                         |                                    | 0.77                            |
| 10           | 9.90                                    | 12.22                  | 12.52                         |                                    | 0.74                            |
| 11           | 9.86                                    | 11.92                  | 11.71                         |                                    | 0.63                            |
| 12           | 10.00                                   | 11.43                  | 9.92                          |                                    | 0.65                            |
| 13           | 10.03                                   | 10.32                  | 10.97                         |                                    | 0.78                            |
| 14           | 9.95                                    | 11.81                  | 10.13                         |                                    | 0.79                            |
| 15           | 9.80                                    | 10.26                  | 10.08                         |                                    | 1.09                            |
| 16           | 9.66                                    | 11.34                  | 11.20                         |                                    | 0.69                            |
| 17           | 9.77                                    | 11.72                  | 10.60                         |                                    | 0.61                            |
| 18           | 9.80                                    | 10.85                  | 10.81                         |                                    | 0.65                            |
| 19           | 9.84                                    | 12.33                  | 11.38                         |                                    | 0.48                            |
| 20           | 9.91                                    | 13.38                  | 14.33                         |                                    | 0.75                            |
| 21           | 12.17                                   | 13.21                  | 12.85                         |                                    | 1.06                            |
| 22           | 20.20                                   | 13.47                  | 12.79                         |                                    | 0.74                            |
| 23           | 20.15                                   | 15.68                  | 15.63                         |                                    | 0.64                            |
| 24           | 20.14                                   | 16.32                  | 15.53                         |                                    | 0.63                            |
| 25           | 20.10                                   | 18.13                  | 18.99                         |                                    | 0.63                            |
| 26           | 20.10                                   | 17.97                  | 16.30                         |                                    | 0.63                            |
| 27           | 1.72                                    | 17.71                  | 16.15                         |                                    | 0.64                            |
| 28           | 10.85                                   | 14.51                  | 12.21                         |                                    | 0.80                            |
| 29           | 10.86                                   | 11.75                  | 12.75                         |                                    | 0.93                            |
| 30           | 10.87                                   | 13.46                  | 12.70                         |                                    | 1.11                            |
| 31           |                                         |                        |                               |                                    |                                 |
| <b>TOTAL</b> | <b>372.36</b>                           | <b>389.22</b>          | <b>372.84</b>                 | <b>0.00</b>                        | <b>21.50</b>                    |
| AVG          | 12.41                                   | 12.97                  | 12.43                         | #DIV/0!                            | 0.72                            |
| MAX          | 28.30                                   | 18.13                  | 18.99                         | 0.00                               | 1.11                            |
| MIN          | 1.72                                    | 10.19                  | 9.92                          | 0.00                               | 0.48                            |

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

Month: June  
Year: 2025

|                             |                  |                           |          |
|-----------------------------|------------------|---------------------------|----------|
| <b>TOTAL CHEMICAL COST:</b> | <b>\$121,262</b> |                           |          |
| Cost Per MG Treated         | \$311.55         | Cost Per MG Delivered     | \$325.24 |
| Million Gallons Treated     | 389.22           | Million Gallons Delivered | 372.84   |

### Non-Membrane System Chemical Usage

| Date  | Sodium Hypochlorite (CL)<br>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     | 12,908                            | 903.55  | 106.8                         | 111.98 | 24.3                     | 47.00  | 555                          | 3102.61 | 124.0                 | 323.07 | 0.0                         | 0.00   |
| 2     | 15,727                            | 1100.87 | 130.5                         | 136.74 | 27.3                     | 52.75  | 683                          | 3817.67 | 179.2                 | 467.14 | 0.0                         | 0.00   |
| 3     | 13,580                            | 950.63  | 112.1                         | 117.50 | 48.1                     | 93.06  | 586                          | 3274.12 | 161.2                 | 420.25 | 0.0                         | 0.00   |
| 4     | 12,822                            | 897.57  | 100.6                         | 105.39 | 82.6                     | 159.80 | 528                          | 2950.03 | 144.8                 | 377.37 | 0.0                         | 0.00   |
| 5     | 15,280                            | 1069.60 | 107.2                         | 112.31 | 34.1                     | 65.94  | 558                          | 3118.80 | 154.2                 | 401.90 | 0.0                         | 0.00   |
| 6     | 14,543                            | 1018.01 | 97.8                          | 102.48 | 34.0                     | 65.80  | 506                          | 2826.94 | 140.9                 | 367.17 | 0.0                         | 0.00   |
| 7     | 13,086                            | 915.99  | 93.4                          | 97.93  | 34.0                     | 65.80  | 484                          | 2702.00 | 134.7                 | 351.06 | 0.0                         | 0.00   |
| 8     | 13,596                            | 951.70  | 107.0                         | 112.14 | 34.0                     | 65.80  | 564                          | 3150.65 | 153.1                 | 399.13 | 0.0                         | 0.00   |
| 9     | 14,048                            | 983.34  | 111.7                         | 117.06 | 34.0                     | 65.81  | 577                          | 3222.86 | 159.3                 | 415.22 | 0.0                         | 0.00   |
| 10    | 15,185                            | 1062.92 | 119.7                         | 125.46 | 34.0                     | 65.81  | 614                          | 3432.07 | 170.6                 | 444.60 | 0.0                         | 0.00   |
| 11    | 13,505                            | 945.36  | 107.5                         | 112.61 | 32.8                     | 63.38  | 553                          | 3088.23 | 153.4                 | 399.70 | 0.0                         | 0.00   |
| 12    | 12,053                            | 843.74  | 95.9                          | 100.52 | 34.7                     | 67.13  | 491                          | 2743.84 | 137.1                 | 357.33 | 0.0                         | 0.00   |
| 13    | 13,062                            | 914.37  | 104.3                         | 109.29 | 36.4                     | 70.40  | 536                          | 2995.10 | 148.9                 | 387.95 | 0.0                         | 0.00   |
| 14    | 11,842                            | 828.91  | 94.0                          | 98.53  | 36.1                     | 69.91  | 486                          | 2714.29 | 134.4                 | 350.33 | 0.0                         | 0.00   |
| 15    | 12,151                            | 850.54  | 98.7                          | 103.49 | 35.6                     | 68.85  | 501                          | 2799.06 | 140.8                 | 366.99 | 0.0                         | 0.00   |
| 16    | 12,523                            | 876.62  | 103.9                         | 108.92 | 35.0                     | 67.81  | 528                          | 2950.34 | 147.2                 | 383.59 | 0.0                         | 0.00   |
| 17    | 12,551                            | 878.59  | 104.2                         | 109.23 | 35.4                     | 68.58  | 529                          | 2955.78 | 147.5                 | 384.50 | 0.0                         | 0.00   |
| 18    | 12,105                            | 847.35  | 99.9                          | 104.73 | 35.6                     | 68.80  | 506                          | 2828.97 | 141.6                 | 369.07 | 0.0                         | 0.00   |
| 19    | 13,637                            | 954.58  | 112.7                         | 118.08 | 35.7                     | 69.11  | 576                          | 3219.28 | 159.5                 | 415.61 | 0.0                         | 0.00   |
| 20    | 16,607                            | 1162.49 | 134.8                         | 141.26 | 36.0                     | 69.61  | 688                          | 3842.81 | 190.2                 | 495.63 | 0.0                         | 0.00   |
| 21    | 14,963                            | 1047.43 | 121.5                         | 127.30 | 43.8                     | 84.68  | 621                          | 3469.69 | 171.6                 | 447.22 | 0.0                         | 0.00   |
| 22    | 15,213                            | 1064.88 | 123.5                         | 129.41 | 73.3                     | 141.86 | 631                          | 3524.00 | 175.8                 | 458.24 | 0.0                         | 0.00   |
| 23    | 18,386                            | 1287.04 | 152.3                         | 159.61 | 73.2                     | 141.55 | 768                          | 4291.43 | 217.9                 | 567.93 | 0.0                         | 0.00   |
| 24    | 17,960                            | 1257.21 | 155.1                         | 162.51 | 73.1                     | 141.48 | 765                          | 4276.04 | 216.9                 | 565.21 | 0.0                         | 0.00   |
| 25    | 21,912                            | 1533.86 | 190.7                         | 199.83 | 73.0                     | 141.27 | 926                          | 5174.53 | 261.4                 | 681.37 | 0.0                         | 0.00   |
| 26    | 18,663                            | 1306.41 | 162.7                         | 170.52 | 26.0                     | 50.37  | 788                          | 4405.91 | 223.3                 | 582.07 | 0.0                         | 0.00   |
| 27    | 18,237                            | 1276.60 | 165.6                         | 173.51 | 0.0                      | 0.07   | 803                          | 4484.28 | 226.0                 | 589.02 | 0.0                         | 0.00   |
| 28    | 13,974                            | 978.15  | 120.7                         | 126.47 | 0.0                      | 0.00   | 587                          | 3280.06 | 162.9                 | 424.57 | 0.0                         | 0.00   |
| 29    | 14,997                            | 1049.77 | 126.8                         | 132.92 | 0.0                      | 0.00   | 616                          | 3442.61 | 142.6                 | 371.73 | 0.0                         | 0.00   |
| 30    | 15,651                            | 1095.57 | 131.7                         | 138.06 | 0.0                      | 0.00   | 642                          | 3588.22 | 148.1                 | 386.09 | 0.0                         | 0.00   |
| 31    |                                   |         |                               |        |                          |        |                              |         |                       |        |                             |        |
| TOTAL | 440,766                           | 30,854  | 3,593                         | 3,766  | 1,102                    | 2,132  | 18,195                       | 101,672 | 4,969                 | 12,951 | 0                           | 0      |
| AVG   | 14,692                            | 1028.46 | 120                           | 125.53 | 37                       | 71.08  | 607                          | 3389.07 | 166                   | 431.70 | 0                           | 0.00   |
| MAX   | 21,912                            | 1533.86 | 191                           | 199.83 | 83                       | 159.80 | 926                          | 5174.53 | 261                   | 681.37 | 0                           | 0.00   |
| MIN   | 11,842                            | 828.91  | 93                            | 97.93  | 0                        | 0.00   | 484                          | 2702.00 | 124                   | 323.07 | 0                           | 0.00   |
| COST  | \$16,966.89                       |         | \$6,507.88                    |        | \$15,737.35              |        | \$71,170.55                  |         | \$10,878.89           |        | \$0.20                      |        |
| \$/MG | \$43.59                           |         | \$16.72                       |        | \$40.43                  |        | \$182.85                     |         | \$27.95               |        | \$0.00                      |        |

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

Month: June  
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    | 7.7                                  | 7.7       | 8.1            | 8.0       | 154.00                                                | 158.00 | 0.00                                   | 0.00      | 100.00   | 100.00   | 4.00                        |
| 2    | 7.7                                  | 7.7       | 8.1            | 8.1       | 155.00                                                | 158.00 | 0.00                                   | 0.00      | 99.00    | 103.00   | 1.00                        |
| 3    | 7.7                                  | 7.6       | 8.1            | 8.1       | 158.00                                                | 160.00 | 0.00                                   | 0.00      | 106.00   | 109.00   | 1.00                        |
| 4    | 7.7                                  | 7.7       | 8.2            | 8.1       | 159.00                                                | 158.00 | 0.00                                   | 0.00      | 104.00   | 114.00   | 6.00                        |
| 5    | 7.7                                  | 7.7       | 8.2            | 8.2       | 159.00                                                | 158.00 | 0.00                                   | 0.00      | 102.00   | 101.00   | 6.00                        |
| 6    | 7.7                                  | 7.7       | 8.3            | 8.2       | 156.00                                                | 157.00 | 0.00                                   | 0.00      | 102.00   | 102.00   | 0.00                        |
| 7    | 7.7                                  | 7.7       | 8.3            | 8.2       | 154.00                                                | 162.00 | 0.00                                   | 0.00      | 102.00   | 101.00   | 1.00                        |
| 8    | 7.7                                  | 7.6       | 8.2            | 8.1       | 154.00                                                | 155.00 | 0.00                                   | 0.00      | 100.00   | 100.00   | 5.00                        |
| 9    | 7.7                                  | 7.7       | 8.2            | 8.1       | 156.00                                                | 158.00 | 0.00                                   | 0.00      | 101.00   | 101.00   | 1.00                        |
| 10   | 7.7                                  | 7.6       | 8.1            | 8.1       | 157.00                                                | 151.00 | 0.00                                   | 0.00      | 103.00   | 104.00   | 1.00                        |
| 11   | 7.7                                  | 7.6       | 8.1            | 8.0       | 157.00                                                | 154.00 | 0.00                                   | 0.00      | 102.00   | 99.00    | 1.00                        |
| 12   | 7.7                                  | 7.6       | 8.0            | 8.0       | 150.00                                                | 153.00 | 0.00                                   | 0.00      | 101.00   | 101.00   | 1.00                        |
| 13   | 7.7                                  | 7.6       | 8.1            | 8.0       | 150.00                                                | 152.00 | 0.00                                   | 0.00      | 98.00    | 100.00   | -3.00                       |
| 14   | 7.7                                  | 7.6       | 8.2            | 8.1       | 150.00                                                | 150.00 | 0.00                                   | 0.00      | 94.00    | 97.00    | 2.00                        |
| 15   | 7.8                                  | 7.7       | 8.3            | 8.2       | 148.00                                                | 149.00 | 0.00                                   | 0.00      | 101.00   | 96.00    | 2.00                        |
| 16   | 7.7                                  | 7.7       | 8.3            | 8.2       | 147.00                                                | 142.00 | 0.00                                   | 0.00      | 95.00    | 93.00    | 1.00                        |
| 17   | 7.7                                  | 7.6       | 8.2            | 8.2       | 153.00                                                | 136.00 | 0.00                                   | 0.00      | 97.00    | 91.00    | 3.00                        |
| 18   | 7.8                                  | 7.7       | 8.4            | 8.2       | 138.00                                                | 158.00 | 0.00                                   | 0.00      | 93.00    | 93.00    | -2.00                       |
| 19   | 8.4                                  | 7.6       | 8.4            | 8.3       | 141.00                                                | 136.00 | 0.00                                   | 0.00      | 95.00    | 95.00    | 3.00                        |
| 20   | 7.8                                  | 7.7       | 8.3            | 8.2       | 132.00                                                | 134.00 | 0.00                                   | 0.00      | 90.00    | 92.00    | -2.00                       |
| 21   | 7.7                                  | 7.6       | 8.2            | 8.1       | 122.00                                                | 133.00 | 0.00                                   | 0.00      | 86.00    | 89.00    | 3.00                        |
| 22   | 7.7                                  | 7.6       | 8.2            | 8.1       | 125.00                                                | 131.00 | 0.00                                   | 0.00      | 90.00    | 92.00    | -3.00                       |
| 23   | 7.8                                  | 7.6       | 8.4            | 8.2       | 127.00                                                | 128.00 | 0.00                                   | 0.00      | 91.00    | 90.00    | 2.00                        |
| 24   | 7.7                                  | 7.4       | 8.4            | 8.2       | 130.00                                                | 127.00 | 0.00                                   | 0.00      | 90.00    | 90.00    | 4.00                        |
| 25   | 7.7                                  | 7.6       | 8.2            | 8.2       | 129.00                                                | 129.00 | 0.00                                   | 0.00      | 91.00    | 90.00    | 3.00                        |
| 26   | 7.7                                  | 7.6       | 8.2            | 8.1       | 126.00                                                | 130.00 | 0.00                                   | 0.00      | 87.00    | 90.00    | 1.00                        |
| 27   | 14.0                                 | 0.0       | 9.1            | 4.0       | 126.00                                                | 128.00 | 0.00                                   | 0.00      | 90.00    | 90.00    | 0.00                        |
| 28   | 7.8                                  | 7.7       | 8.4            | 8.2       | 127.00                                                | 130.00 | 0.00                                   | 0.00      | 91.00    | 91.00    | -2.00                       |
| 29   | 7.8                                  | 7.7       | 8.4            | 8.2       | 128.00                                                | 127.00 | 0.00                                   | 0.00      | 92.00    | 90.00    | 1.00                        |
| 30   | 7.8                                  | 7.7       | 8.3            | 8.2       | 129.00                                                | 122.00 | 0.00                                   | 0.00      | 92.00    | 89.00    | 4.00                        |
| 31   |                                      |           |                |           |                                                       |        |                                        |           |          |          |                             |
| AVG  |                                      |           |                |           | 143                                                   | 144    | 0                                      | 0         | 96       | 96       | 2                           |
| MAX  | 14.0                                 | 7.7       | 9.1            | 8.3       | 159                                                   | 162    | 0                                      | 0         | 106      | 114      | 6                           |
| MIN  | 7.7                                  | 0.0       | 8.0            | 4.0       | 122                                                   | 122    | 0                                      | 0         | 86       | 89       | -3                          |

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

Month: June  
Year: 2025

| Date | Turbidity (NTU) Continuous Reading Analyzers      |         |         |          |         |         | Chlorine Residual (Total or Free as Noted, mg/L)<br>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    | 0.03    | 0.02     | 0.02    | 0.02    | 3.50                                                                             | 3.56    | 3.51    | 3.47     | 3.42    | 3.41    |
| 2    | 0.03                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.64                                                                             | 3.61    | 3.63    | 3.62     | 3.61    | 3.61    |
| 3    | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.04    | 0.03    | 3.47                                                                             | 3.63    | 3.61    | 3.58     | 3.54    | 3.50    |
| 4    | 0.02                                              | 0.02    | 0.03    | 0.03     | 0.02    | 0.02    | 3.41                                                                             | 3.46    | 3.48    | 3.44     | 3.42    | 3.46    |
| 5    | 0.04                                              | 0.02    | 0.02    | 0.03     | 0.02    | 0.03    | 3.46                                                                             | 3.39    | 3.41    | 3.44     | 3.44    | 3.46    |
| 6    | 0.02                                              | 0.02    | 0.02    | 0.03     | 0.03    | 0.02    | 3.49                                                                             | 3.63    | 3.62    | 3.59     | 3.52    | 3.48    |
| 7    | 0.02                                              | 0.02    | 0.03    | 0.02     | 0.03    | 0.02    | 3.48                                                                             | 3.63    | 3.62    | 3.52     | 3.52    | 3.47    |
| 8    | 0.02                                              | 0.03    | 0.02    | 0.03     | 0.04    | 0.02    | 3.60                                                                             | 3.55    | 3.56    | 3.56     | 3.46    | 3.45    |
| 9    | 0.02                                              | 0.02    | 0.03    | 0.02     | 0.02    | 0.02    | 3.62                                                                             | 3.62    | 3.64    | 3.61     | 3.55    | 3.54    |
| 10   | 0.03                                              | 0.02    | 0.04    | 0.02     | 0.03    | 0.03    | 3.68                                                                             | 3.64    | 3.64    | 3.67     | 3.63    | 3.60    |
| 11   | 0.03                                              | 0.03    | 0.03    | 0.03     | 0.02    | 0.04    | 3.57                                                                             | 3.67    | 3.61    | 3.57     | 3.55    | 3.55    |
| 12   | 0.03                                              | 0.03    | 0.03    | 0.03     | 0.03    | 0.04    | 3.50                                                                             | 3.61    | 3.60    | 3.57     | 3.53    | 3.53    |
| 13   | 0.02                                              | 0.03    | 0.03    | 0.03     | 0.03    | 0.03    | 3.56                                                                             | 3.52    | 3.54    | 3.59     | 3.60    | 3.55    |
| 14   | 0.02                                              | 0.05    | 0.06    | 0.03     | 0.04    | 0.03    | 3.48                                                                             | 3.67    | 3.62    | 3.63     | 3.62    | 3.50    |
| 15   | 0.03                                              | 0.03    | 0.03    | 0.03     | 0.03    | 0.03    | 3.62                                                                             | 3.54    | 3.56    | 3.63     | 3.63    | 3.63    |
| 16   | 0.04                                              | 0.06    | 0.03    | 0.03     | 0.03    | 0.04    | 3.60                                                                             | 3.61    | 3.60    | 3.61     | 3.59    | 3.58    |
| 17   | 0.05                                              | 0.09    | 0.03    | 0.07     | 0.03    | 0.04    | 3.51                                                                             | 3.63    | 3.63    | 3.60     | 3.59    | 3.51    |
| 18   | 0.03                                              | 0.04    | 0.03    | 0.06     | 0.04    | 0.04    | 3.72                                                                             | 3.57    | 3.69    | 3.69     | 3.68    | 3.72    |
| 19   | 0.02                                              | 0.05    | 0.05    | 0.06     | 0.03    | 0.02    | 3.73                                                                             | 3.68    | 3.71    | 3.72     | 3.73    | 3.73    |
| 20   | 0.03                                              | 0.02    | 0.03    | 0.02     | 0.03    | 0.02    | 3.81                                                                             | 3.73    | 3.76    | 3.75     | 3.74    | 3.75    |
| 21   | 0.02                                              | 0.02    | 0.02    | 0.03     | 0.02    | 0.02    | 3.69                                                                             | 3.78    | 3.74    | 3.70     | 3.67    | 3.64    |
| 22   | 0.02                                              | 0.02    | 0.03    | 0.02     | 0.02    | 0.02    | 3.70                                                                             | 3.72    | 3.71    | 3.72     | 3.68    | 3.64    |
| 23   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.91                                                                             | 3.78    | 3.83    | 3.85     | 3.87    | 3.85    |
| 24   | 0.03                                              | 0.02    | 0.03    | 0.02     | 0.02    | 0.02    | 3.86                                                                             | 3.89    | 3.86    | 3.86     | 3.85    | 3.87    |
| 25   | 0.02                                              | 0.02    | 0.03    | 0.03     | 0.02    | 0.02    | 4.07                                                                             | 3.92    | 3.93    | 3.93     | 3.98    | 4.04    |
| 26   | 0.03                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.95                                                                             | 3.96    | 3.86    | 3.81     | 3.80    | 3.85    |
| 27   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.81                                                                             | 3.97    | 3.96    | 3.95     | 3.94    | 3.81    |
| 28   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.80                                                                             | 3.80    | 3.79    | 3.79     | 3.79    | 3.79    |
| 29   | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.03    | 0.02    | 3.78                                                                             | 3.78    | 3.78    | 3.77     | 3.78    | 3.73    |
| 30   | 0.02                                              | 0.02    | 0.03    | 0.02     | 0.02    | 0.02    | 3.82                                                                             | 3.78    | 3.78    | 3.83     | 3.84    | 3.84    |
| 31   |                                                   |         |         |          |         |         |                                                                                  |         |         |          |         |         |
| AVG  | 0.03                                              | 0.03    | 0.03    | 0.03     | 0.03    | 0.03    | 3.7                                                                              | 3.7     | 3.7     | 3.7      | 3.7     | 3.6     |
| MAX  | 0.05                                              | 0.09    | 0.06    | 0.07     | 0.04    | 0.04    | 4.1                                                                              | 4.0     | 4.0     | 3.9      | 4.0     | 4.0     |
| MIN  | 0.02                                              | 0.02    | 0.02    | 0.02     | 0.02    | 0.02    | 3.4                                                                              | 3.4     | 3.4     | 3.4      | 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 | 180 |
|-----------------------------------|-----|

PWSID 1021508

SYSTEM

COBA WTP

MONTH June

\*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     | 11,640                             | 0       | 0.00     | 0.44                  | 0.24 | 0.37                                | 0.17 |
| 2     | 13,575                             | 0       | 0.00     | 0.15                  | 0.26 | 0.09                                | 0.14 |
| 3     | 11,962                             | 0       | 0.00     | 0.16                  | 0.29 | 0.18                                | 0.20 |
| 4     | 10,792                             | 0       | 0.00     | 0.28                  | 0.26 | 0.29                                | 0.23 |
| 5     | 11,471                             | 0       | 0.00     | 0.25                  | 0.24 | 0.19                                | 0.20 |
| 6     | 10,554                             | 0       | 0.00     | 0.46                  | 0.37 | 0.41                                | 0.37 |
| 7     | 10,128                             | 0       | 0.00     | 0.25                  | 0.15 | 0.22                                | 0.22 |
| 8     | 11,354                             | 0       | 0.00     | 0.36                  | 0.30 | 0.27                                | 0.30 |
| 9     | 11,823                             | 0       | 0.00     | 0.16                  | 0.28 | 0.32                                | 0.17 |
| 10    | 12,521                             | 0       | 0.00     | 0.24                  | 0.21 | 0.21                                | 0.26 |
| 11    | 11,711                             | 0       | 0.00     | 0.23                  | 0.33 | 0.22                                | 0.24 |
| 12    | 9,920                              | 0       | 0.00     | 0.38                  | 0.34 | 0.37                                | 0.23 |
| 13    | 10,965                             | 0       | 0.00     | 0.43                  | 0.21 | 0.41                                | 0.18 |
| 14    | 10,128                             | 0       | 0.00     | 0.30                  | 0.30 | 0.21                                | 0.24 |
| 15    | 10,081                             | 0       | 0.00     | 0.28                  | 0.27 | 0.26                                | 0.22 |
| 16    | 11,201                             | 0       | 0.00     | 0.24                  | 0.20 | 0.43                                | 0.14 |
| 17    | 10,604                             | 0       | 0.00     | 0.26                  | 0.12 | 0.25                                | 0.22 |
| 18    | 10,812                             | 0       | 0.00     | 0.05                  | 0.08 | 0.11                                | 0.16 |
| 19    | 11,376                             | 0       | 0.00     | 0.18                  | 0.23 | 0.21                                | 0.17 |
| 20    | 14,327                             | 0       | 0.00     | 0.20                  | 0.21 | 0.23                                | 0.20 |
| 21    | 12,846                             | 0       | 0.00     | 0.17                  | 0.08 | 0.21                                | 0.03 |
| 22    | 12,790                             | 0       | 0.00     | 0.28                  | 0.19 | 0.26                                | 0.18 |
| 23    | 15,631                             | 0       | 0.00     | 0.08                  | 0.14 | 0.01                                | 0.14 |
| 24    | 15,534                             | 0       | 0.00     | 0.19                  | 0.16 | 0.18                                | 0.16 |
| 25    | 18,988                             | 0       | 0.00     | 0.06                  | 0.23 | 0.11                                | 0.17 |
| 26    | 16,295                             | 0       | 0.00     | 0.45                  | 0.21 | 0.41                                | 0.09 |
| 27    | 16,145                             | 0       | 0.00     | 0.23                  | 0.20 | 0.16                                | 0.07 |
| 28    | 12,211                             | 0       | 0.00     | 0.36                  | 0.19 | 0.22                                | 0.08 |
| 29    | 12,753                             | 0       | 0.00     | 0.12                  | 0.31 | 0.02                                | 0.19 |
| 30    | 12,704                             | 0       | 0.00     | 0.09                  | 0.12 | 0.04                                | 0.04 |
| 31    |                                    |         |          |                       |      |                                     |      |
| Total | 372,842                            | 0       |          |                       |      |                                     |      |
| Avg.  | 12,428                             | 0       | 0.00     | 0.24                  | 0.22 | 0.23                                | 0.18 |

\*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

1000 N.E. Tenth Street

Oklahoma City, OK 73117-1299

Dept of Environmental Quality

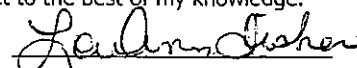
PO Box 1677

Oklahoma City, OK 73101-1677

I hereby certify the above to be

correct to the best of my knowledge.

Signed



Title: Water Plant Manager

City Broken Arrow

ODH Form No. 561 / DEQ Form 631-001

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

Public Water System Name: COBA Water Treatment PlantMonth: June

PWS ID No.:

OK 1021508Year: 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    | 11:58                                           | 515 W. Quanah Pl.      | 3.30 | J.B.    | 12:45                                           | 1116 W. Granger St.    | 3.00 | J.B.    |
| 2    | 10:38                                           | 4121 E. Omaha St.      | 2.40 | ML      | 12:13                                           | 1817 S. Willow Ave.    | 2.70 | ML      |
| 3    | 9:32                                            | 609 E. Kingsport St.   | 2.70 | AR      | 1:30                                            | 3301 W. Oakland St.    | 2.40 | AR      |
| 4    | 8:48                                            | 3706 S. Orange Cir.    | 2.60 | ML      | 12:33                                           | 1709 N. 21st St.       | 2.90 | ML      |
| 5    | 7:38                                            | 2909 E Montpelier      | 3.40 | ML      | 12:27                                           | 608 E Pensecola        | 3.10 | ML      |
| 6    | 08:17                                           | 1627 E. Washington Pl. | 3.20 | M.L.    | 12:29                                           | 4301 S. Aspen Pl.      | 3.20 | M.L.    |
| 7    | 11:36                                           | 909 E. College St.     | 3.60 | T.R.    | 12:28                                           | 2401 W. Omaha St.      | 3.20 | T.R.    |
| 8    | 11:52                                           | 36500 E. 66th St. S.   | 3.70 | R.M.    | 18:35                                           | 6057 S. 353rd E. Ave.  | 1.90 | R.M.    |
| 9    | 10:51                                           | 1729 S. Pine Ave       | 2.70 | ML      | 1:04                                            | 1116 W. Granger St     | 2.20 | ML      |
| 10   | 8:52                                            | 4001 S. Chestnut Ave.  | 3.10 | ML      | 12:19                                           | 7900 E. Norman St.     | 3.10 | ML      |
| 11   | 8:37                                            | 2513 E. Dallas St.     | 2.60 | ML      | 12:04                                           | 4608 W.Eagle Pass St.  | 3.20 | ML      |
| 12   | 10:48                                           | 4604 W. Louisville St. | 3.00 | ML      | 12:50                                           | 221 N. 10th            | 3.10 | ML      |
| 13   | 09:18                                           | 523 W. Detroit St.     | 2.90 | M.L.    | 12:40                                           | 901 W. Albuquerque St. | 2.90 | M.L.    |
| 14   | 10:45                                           | 2700 N 7th St.         | 2.90 | TR      | 17:02                                           | 1301 N 53rd St.        | 3.20 | ME      |
| 15   | 08:50                                           | 702 E. Mason Dr.       | 3.10 | J.B.    | 15:50                                           | 1903 W. Rockport Pl.   | 3.00 | J.B.    |
| 16   | 11:02                                           | 2909 E. Montplier St.  | 3.00 | ML      | 1:28                                            | 13725 S. 124th E. Ave. | 2.70 | ML      |
| 17   | 8:29                                            | 1116 W. Granger        | 3.50 | ML      | 12:01                                           | 1817 S. Date Ave.      | 2.60 | ML      |
| 18   | 10:05                                           | 4417 W. College Ct.    | 3.10 | AR      | 2:04                                            | 1900 E Reno St.        | 3.70 | AR      |
| 19   | 09:18                                           | 1817 S. Willow Ave.    | 2.70 | M.L.    | 13:53                                           | 4121 E. Omaha St.      | 2.10 | M.L.    |
| 20   | 08:22                                           | 601 E. Van Buren St.   | 3.50 | M.L.    | 12:00                                           | 804 N. 1st St.         | 3.40 | M.L.    |
| 21   | 11:00                                           | 1116 W. Granger St.    | 2.90 | T.R.    | 12:10                                           | 2700 N. 7th St.        | 3.20 | T.R.    |
| 22   | 10:38                                           | 2909 E. Montpelier St. | 3.50 | R.M.    | 16:00                                           | 1903 W. Rockport Pl.   | 2.80 | R.M.    |
| 23   | 11:24                                           | 515 W. Quanah Pl.      | 3.20 | JS      | 1:20                                            | 1005 N. Willow Ave.    | 3.40 | JS      |
| 24   | 7:55                                            | 3706 S. Orange Circle  | 2.40 | JS      | 12:28                                           | 4121 E Omaha           | 2.30 | JS      |
| 25   | 10:30                                           | 1116 W. Granger St.    | 3.40 | JS      | 3:00                                            | 3314 S. Ash Ave.       | 3.80 | JS      |
| 26   | 9:18                                            | 228 W Waco St.         | 3.50 | ML      | 1:24                                            | 604 N. Fir Ave.        | 3.40 | ML      |
| 27   | 9:47                                            | 1911 S Nyssa Pl        | 2.40 | ML      | 12:06                                           | 300 S 64th St          | 3.40 | ML      |
| 28   | 11:38                                           | 1116 W. Granger St.    | 2.10 | T.R.    | 12:22                                           | 2910 S. Ash Pl.        | 3.20 | T.R.    |
| 29   | 11:35                                           | 1301 N. 53rd St.       | 3.70 | J.B.    | 12:15                                           | 5005 S. Lions Ave.     | 3.50 | J.B.    |
| 30   | 09:31                                           | 1413 N. 24th St.       | 3.50 | M.L.    | 14:28                                           | 2737 S. Elder Ave.     | 3.30 | M.L.    |

Average 3.05

Min. 2.10

Max. 3.70

Average 3.00

Min. 1.90

Max. 3.80