

**Ozone Maxima (ppm<sub>v</sub>) for Forecast Period Starting: 7/24/2023**

| <b>8-Hour Daily Maxima (ppm<sub>v</sub>)</b> |             |             |              |
|--|-------------|-------------|--------------|
| <b>Day</b>                                   | <b>Date</b> | <b>PARR</b> | <b>NLRAP</b> |
| Monday                                       | 7/24/2023   | 0.046       | 0.049        |
| Tuesday                                      | 7/25/2023   | 0.043       | 0.049        |
| Wednesday                                    | 7/26/2023   | 0.041       | 0.048        |
| Thursday                                     | 7/27/2023   | 0.050       | 0.055        |
| Friday                                       | 7/28/2023   | 0.040       | 0.048        |
| Saturday                                     | 7/29/2023   | 0.041       | 0.046        |
| Sunday                                       | 7/30/2023   | 0.048       | 0.052        |

Cells with the following shading represent new seasonal high 8-hour values for the most recent forecast week:



Cell with the following shading represent the monitoring site that is currently the controlling monitor for attainment:



**Four Highest 8-hour Ozone Concentrations for 2023 Season (ppm<sub>v</sub>)**

| <b>PARR</b>  |             | <b>NLRAP</b> |             |
|--------------|-------------|--------------|-------------|
| <b>Conc.</b> | <b>Date</b> | <b>Conc.</b> | <b>Date</b> |
| 0.069        | 6/6/2023    | 0.074        | 6/6/2023    |
| 0.065        | 6/7/2023    | 0.072        | 5/31/2023   |
| 0.059        | 6/5/2023    | 0.069        | 5/25/2023   |
| 0.056        | 6/4/2023    | 0.066        | 5/26/2023   |

**Computation of Design Value for LR/NLR/Conway Arkansas MSA**

| <b>4th High Values (ppm<sub>v</sub>)</b> |              |              | <b>Maximum 4th High 8hr Value To Remain Below 2015 Standard (0.070 ppm) for 2023</b> |              |
|--|--------------|--------------|--|--------------|
| <b>Year</b>                              | <b>PARR</b>  | <b>NLRAP</b> | <b>PARR</b>  | <b>NLRAP</b> |
| 2020                                     | 0.060        | 0.063        |  |              |
| 2021                                     | 0.062        | 0.067        |  |              |
| 2022                                     | 0.064        | 0.060        | 0.086  | 0.085        |
| <b>3-Year Avg. 4th High</b>              | <b>0.062</b> | <b>0.063</b> |  |              |
| 2021                                     | 0.062        | 0.067        |  |              |
| 2022                                     | 0.064        | 0.060        |  |              |
| 2023                                     | 0.056        | 0.066        |  |              |
| Average                                  | <b>0.060</b> | <b>0.064</b> |  |              |
| <b>New Running DV*</b>                   | <b>0.064</b> |              |  |              |

\*New Running DV tentative assuming that four high values for 2023 have already occurred.

**Note:** The 2023 information is "raw data" as automatically collected and reported by the monitoring stations and has not been QC-checked, analyzed, or verified.

**Ozone Maxima (ppm<sub>v</sub>) for Forecast Period Starting: 7/24/2023**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |        |        |         |              |          |
|---|-----------|--------|--------|---------|--------------|----------|
| Day                                     | Date      | Marion | Orgill | Frayser | Shelby Farms | Hernando |
| Monday                                  | 7/24/2023 | 0.043  | 0.048  | 0.044   | 0.057        | 0.042    |
| Tuesday                                 | 7/25/2023 | 0.052  | 0.060  | 0.054   | 0.060        | 0.049    |
| Wednesday                               | 7/26/2023 | 0.043  | 0.053  | 0.043   | 0.049        | 0.034    |
| Thursday                                | 7/27/2023 | 0.052  | 0.059  | 0.054   | 0.062        | 0.048    |
| Friday                                  | 7/28/2023 | 0.055  | 0.060  | 0.054   | 0.060        | 0.050    |
| Saturday                                | 7/29/2023 | 0.051  | 0.043  | 0.048   | 0.059        | 0.052    |
| Sunday                                  | 7/30/2023 | 0.048  | 0.047  | 0.049   | 0.052        | 0.065    |

Cells with the following shading represent new seasonal high 8-hour values for the most recent forecast week:



Cell with the following shading represent the monitoring site that is currently the controlling monitor for attainment:



| Four Highest 8-hour Ozone Concentrations for 2023 Season (ppm <sub>v</sub> ) |           |        |           |         |          |              |           |          |           |
|--|-----------|--------|-----------|---------|----------|--------------|-----------|----------|-----------|
| Marion   |           | Orgill |           | Frayser |          | Shelby Farms |           | Hernando |           |
| Conc.  | Date      | Conc.  | Date      | Conc.   | Date     | Conc.        | Date      | Conc.    | Date      |
| 0.080  | 6/6/2023  | 0.077  | 6/6/2023  | 0.073   | 6/6/2023 | 0.082        | 6/6/2023  | 0.074    | 5/30/2023 |
| 0.080  | 6/9/2023  | 0.073  | 6/24/2023 | 0.072   | 6/9/2023 | 0.075        | 6/7/2023  | 0.072    | 5/29/2023 |
| 0.076  | 6/17/2023 | 0.072  | 6/9/2023  | 0.070   | 6/7/2023 | 0.073        | 6/9/2023  | 0.072    | 6/7/2023  |
| 0.074  | 6/4/2023  | 0.069  | 6/7/2023  | 0.069   | 6/4/2023 | 0.072        | 5/28/2023 | 0.071    | 5/28/2023 |

| Computation of Design Values for Memphis TN-MS-AR MSA |              |              |              |              |              |   |        |        |              |          |
|---|--------------|--------------|--------------|--------------|--------------|---|--------|--------|--------------|----------|
| 4th High Values (ppm <sub>v</sub> )                   |              |              |              |              |              | Maximum 4th High 8hr Value To Remain Below 2015 Standard (0.070 ppm) for 2023 |        |        |              |          |
| Year  | Frayser      | Orgill       | Marion       | Shelby Farms | Hernando     | Frayser   | Orgill | Marion | Shelby Farms | Hernando |
| 2020  | 0.06         | 0.062        | 0.069        | 0.062        | 0.062        |   |        |        |              |          |
| 2021  | 0.067        | 0.063        | 0.072        | 0.071        | 0.065        |   |        |        |              |          |
| 2022  | 0.069        | 0.069        | 0.071        | 0.074        | 0.075        | 0.076   | 0.080  | 0.069  | 0.067        | 0.072    |
| <b>3-Year Avg. 4th High</b>                           | <b>0.065</b> | <b>0.064</b> | <b>0.070</b> | <b>0.069</b> | <b>0.067</b> |   |        |        |              |          |
| 2021  | 0.067        | 0.063        | 0.072        | 0.071        | 0.065        |   |        |        |              |          |
| 2022  | 0.069        | 0.069        | 0.071        | 0.074        | 0.075        |   |        |        |              |          |
| 2023  | 0.069        | 0.069        | 0.074        | 0.072        | 0.071        |   |        |        |              |          |
| Average   | <b>0.068</b> | <b>0.067</b> | <b>0.072</b> | <b>0.072</b> | <b>0.070</b> |   |        |        |              |          |
| <b>New RunningDV*</b>                                 | <b>0.072</b> |              |              |              |              |   |        |        |              |          |

\*New Running DV tentative assuming that four high values for 2023 have already occurred.

**Note:** The 2023 information is "raw data" as automatically collected and reported by the monitoring stations and has not been QC-checked, analyzed, or verified.

**Ozone Maxima (ppm<sub>v</sub>) for Forecast Period Starting: 7/24/2023**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |            |              |
|---|-----------|------------|--------------|
| Day                                     | Date      | Springdale | Fayetteville |
| Monday                                  | 7/24/2023 | 0.056      | 0.054        |
| Tuesday                                 | 7/25/2023 | 0.054      | 0.052        |
| Wednesday                               | 7/26/2023 | 0.050      | 0.049        |
| Thursday                                | 7/27/2023 | 0.052      | 0.051        |
| Friday                                  | 7/28/2023 | 0.051      | 0.052        |
| Saturday                                | 7/29/2023 | 0.057      | 0.055        |
| Sunday                                  | 7/30/2023 | 0.061      | 0.060        |

Cells with the following shading represent new seasonal high 8-hour values for the most recent forecast week:



Cells with the following shading represent the monitoring site that is currently the controlling monitor for attainment:



| Four Highest 8-hour Ozone Concentrations for 2023 Season (ppm <sub>v</sub> ) |           |              |           |
|--|-----------|--------------|-----------|
| Springdale   |           | Fayetteville |           |
| Conc.  | Date      | Conc.        | Date      |
| 0.076  | 6/7/2023  | 0.071        | 5/22/2023 |
| 0.072  | 5/22/2023 | 0.071        | 5/26/2023 |
| 0.072  | 5/25/2023 | 0.068        | 4/18/2023 |
| 0.072  | 6/8/2023  | 0.068        | 5/25/2023 |

| Computation of Design Value for Fayetteville/Springdale/Rogers Arkansas MSA |              |              |   |              |
|---|--------------|--------------|---|--------------|
| 4th High Values (ppm <sub>v</sub> )   |              |              | Maximum 4th High 8hr Value To Remain Below 2015 Standard (0.070 ppm) for 2023 |              |
| Year  | Springdale   | Fayetteville | Springdale  | Fayetteville |
| 2020  | 0.054        | 0.055        |   |              |
| 2021  | 0.063        | 0.062        |   |              |
| 2022  | 0.067        | 0.067        | 0.082   | 0.083        |
| <b>3-year Avg. 4th High</b>   | <b>0.061</b> | <b>0.061</b> |   |              |
| 2021  | 0.063        | 0.062        |   |              |
| 2022  | 0.067        | 0.067        |   |              |
| 2023  | 0.072        | 0.068        |   |              |
| Average   | <b>0.067</b> | <b>0.065</b> |   |              |
| <b>New Running DV*</b>  | <b>0.067</b> |              |   |              |

\*New Running DV tentative assuming that four high values for 2023 have already occurred.

**Note:** The 2023 information is "raw data" as automatically collected and reported by the monitoring stations and has not been QC-checked, analyzed, or verified.

**Ozone Maxima (ppm<sub>v</sub>) for Forecast Period Starting: 7/24/2023**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |              |       |            |
|---|-----------|--------------|-------|------------|
| Day                                     | Date      | Caddo Valley | Deer  | Eagle Mtn. |
| Monday                                  | 7/24/2023 | 0.040        | 0.000 | 0.049      |
| Tuesday                                 | 7/25/2023 | 0.052        | 0.000 | 0.048      |
| Wednesday                               | 7/26/2023 | 0.049        | 0.000 | 0.048      |
| Thursday                                | 7/27/2023 | 0.048        | 0.000 | 0.051      |
| Friday                                  | 7/28/2023 | 0.049        | 0.000 | 0.048      |
| Saturday                                | 7/29/2023 | 0.044        | 0.000 | 0.048      |
| Sunday                                  | 7/30/2023 | 0.037        | 0.000 | 0.054      |

Cells with the following shading represent new seasonal high 8-hour values for the current forecast period:



| Four Highest 8-hour Ozone Concentrations for 2023 Season (ppm <sub>v</sub> ) |           |       |           |            |           |
|--|-----------|-------|-----------|------------|-----------|
| Caddo Valley   |           | Deer  |           | Eagle Mtn. |           |
| Conc.  | Date      | Conc. | Date      | Conc.      | Date      |
| 0.066  | 5/22/2023 | 0.067 | 6/6/2023  | 0.056      | 2/28/2023 |
| 0.065  | 5/27/2023 | 0.067 | 6/7/2023  | 0.056      | 4/18/2023 |
| 0.064  | 5/26/2023 | 0.066 | 6/8/2023  | 0.054      | 6/8/2023  |
| 0.062  | 6/8/2023  | 0.065 | 5/25/2023 | 0.053      | 3/26/2023 |

| Computation of Design Value for Non-MSA Monitors |              |              |              |   |       |            |
|--|--------------|--------------|--------------|---|-------|------------|
| 4th High Values (ppm <sub>v</sub> )              |              |              |              | Maximum 4th High 8hr Value To Remain Below 2015 Standard (0.070 ppm) for 2023 |       |            |
| Year   | Caddo Valley | Deer         | Eagle Mtn.   | Caddo Valley  | Deer  | Eagle Mtn. |
| 2020   | 0.049        | 0.061        | 0.058        |   |       |            |
| 2021   | 0.058        | 0.058        | 0.061        |   |       |            |
| 2022   | 0.060        | 0.064        | 0.061        | 0.094   | 0.090 | 0.090      |
| <b>3-year Avg. 4th High</b>                      | <b>0.055</b> | <b>0.061</b> | <b>0.060</b> |   |       |            |
| 2021   | 0.058        | 0.058        | 0.061        |   |       |            |
| 2022   | 0.060        | 0.064        | 0.061        |   |       |            |
| 2023   | 0.062        | 0.065        | 0.053        |   |       |            |
| <b>Average</b>                                   | <b>0.060</b> | <b>0.062</b> | <b>0.058</b> |   |       |            |

**Note:** The 2023 information is "raw data" as automatically collected and reported by the monitoring stations and has not been QC-checked, analyzed, or verified.