

**Ozone Maxima (ppm<sub>v</sub>) for Forecast Period Starting: 5/29/2022**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |       |       |
|-----------------------------------------|-----------|-------|-------|
| Day                                     | Date      | PARR  | NLRAP |
| Sunday                                  | 5/29/2022 | 0.000 | 0.029 |
| Monday                                  | 5/30/2022 | 0.036 | 0.034 |
| Tuesday                                 | 5/31/2022 | 0.027 | 0.027 |
| Wednesday                               | 6/1/2022  | 0.026 | 0.027 |
| Thursday                                | 6/2/2022  | 0.017 | 0.022 |
| Friday                                  | 6/3/2022  | 0.044 | 0.045 |
| Saturday                                | 6/4/2022  | 0.058 | 0.057 |

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 2022 Season (ppm <sub>v</sub> ) |          |  |       |           |
|------------------------------------------------------------------------------|----------|--|-------|-----------|
| PARR                                                                         |          |  | NLRAP |           |
| Conc.                                                                        | Date     |  | Conc. | Date      |
| 0.074                                                                        | 3/3/2022 |  | 0.075 | 3/3/2022  |
| 0.064                                                                        | 3/2/2022 |  | 0.064 | 3/2/2022  |
| 0.058                                                                        | 3/4/2022 |  | 0.059 | 4/29/2022 |
| 0.058                                                                        | 6/4/2022 |  | 0.058 | 3/4/2022  |

**New High Value(s)**

| Computation of Design Value for LR/NLR/Conway Arkansas MSA |              |              |                                                                               |              |
|------------------------------------------------------------|--------------|--------------|-------------------------------------------------------------------------------|--------------|
| 4th High Values (ppm <sub>v</sub> )                        |              |              | Maximum 4th High 8hr Value To Remain Below 2015 Standard (0.070 ppm) for 2022 |              |
| Year                                                       | PARR         | NLRAP        |                                                                               |              |
| 2019                                                       | 0.057        | 0.059        |                                                                               |              |
| 2020                                                       | 0.060        | 0.063        | <b>PARR</b>                                                                   | <b>NLRAP</b> |
| 2021                                                       | 0.062        | 0.067        | 0.090                                                                         | 0.082        |
| <b>3-Year Avg. 4th High</b>                                | <b>0.059</b> | <b>0.063</b> |                                                                               |              |
| 2020                                                       | 0.060        | 0.063        |                                                                               |              |
| 2021                                                       | 0.062        | 0.067        |                                                                               |              |
| 2022                                                       | 0.058        | 0.058        |                                                                               |              |
| Average                                                    | <b>0.060</b> | <b>0.062</b> |                                                                               |              |
| <b>New Running DV*</b>                                     | <b>0.062</b> |              |                                                                               |              |

\*New Running DV tentative assuming that four high values for 2022 have already occurred.

**Note:** The 2022 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: 5/29/2022**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |        |        |         |              |          |
|-----------------------------------------|-----------|--------|--------|---------|--------------|----------|
| Day                                     | Date      | Marion | Orgill | Frayser | Shelby Farms | Hernando |
| Sunday                                  | 5/29/2022 | 0.033  | 0.043  | 0.047   | 0.044        | 0.040    |
| Monday                                  | 5/30/2022 | 0.029  | 0.049  | 0.049   | 0.050        | 0.045    |
| Tuesday                                 | 5/31/2022 | 0.039  | 0.041  | 0.039   | 0.039        | 0.031    |
| Wednesday                               | 6/1/2022  | 0.034  | 0.038  | 0.036   | 0.042        | 0.034    |
| Thursday                                | 6/2/2022  | 0.030  | 0.028  | 0.028   | 0.039        | 0.029    |
| Friday                                  | 6/3/2022  | 0.059  | 0.055  | 0.057   | 0.060        | 0.058    |
| Saturday                                | 6/4/2022  | 0.070  | 0.067  | 0.066   | 0.067        | 0.064    |

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 2022 Season (ppm <sub>v</sub> ) |           |  |        |          |  |         |           |  |              |           |  |          |          |
|------------------------------------------------------------------------------|-----------|--|--------|----------|--|---------|-----------|--|--------------|-----------|--|----------|----------|
| Marion                                                                       |           |  | Orgill |          |  | Frayser |           |  | Shelby Farms |           |  | Hernando |          |
| Conc.                                                                        | Date      |  | Conc.  | Date     |  | Conc.   | Date      |  | Conc.        | Date      |  | Conc.    | Date     |
| 0.070                                                                        | 6/4/2022  |  | 0.069  | 3/3/2022 |  | 0.069   | 3/3/2022  |  | 0.074        | 3/3/2022  |  | 0.071    | 3/3/2022 |
| 0.068                                                                        | 5/17/2022 |  | 0.069  | 3/4/2022 |  | 0.066   | 5/17/2022 |  | 0.072        | 5/12/2022 |  | 0.067    | 3/4/2022 |
| 0.067                                                                        | 3/3/2022  |  | 0.067  | 6/4/2022 |  | 0.066   | 6/4/2022  |  | 0.068        | 3/4/2022  |  | 0.065    | 3/2/2022 |
| 0.060                                                                        | 3/4/2022  |  | 0.066  | 3/2/2022 |  | 0.065   | 5/11/2022 |  | 0.067        | 5/14/2022 |  | 0.064    | 6/4/2022 |

**New High Value(s)**

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| 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 2022 |        |        |              |          |
| Year                                                  | Frayser      | Orgill       | Marion       | Shelby Farms | Hernando     | Frayser                                                                       | Orgill | Marion | Shelby Farms | Hernando |
| 2019                                                  | 0.069        | 0.060        | 0.063        | 0.064        | 0.066        |                                                                               |        |        |              |          |
| 2020                                                  | 0.06         | 0.062        | 0.069        | 0.062        | 0.062        |                                                                               |        |        |              |          |
| 2021                                                  | 0.067        | 0.063        | 0.072        | 0.071        | 0.065        | 0.085                                                                         | 0.087  | 0.071  | 0.079        | 0.085    |
| <b>3-Year Avg. 4th High</b>                           | <b>0.065</b> | <b>0.061</b> | <b>0.068</b> | <b>0.065</b> | <b>0.064</b> |                                                                               |        |        |              |          |
| 2020                                                  | 0.060        | 0.062        | 0.069        | 0.062        | 0.062        |                                                                               |        |        |              |          |
| 2021                                                  | 0.067        | 0.063        | 0.072        | 0.071        | 0.065        |                                                                               |        |        |              |          |
| 2022                                                  | 0.065        | 0.066        | 0.060        | 0.067        | 0.064        |                                                                               |        |        |              |          |
| Average                                               | <b>0.064</b> | <b>0.063</b> | <b>0.067</b> | <b>0.066</b> | <b>0.063</b> |                                                                               |        |        |              |          |
| <b>New RunningDV*</b>                                 | <b>0.067</b> |              |              |              |              |                                                                               |        |        |              |          |

\*New Running DV tentative assuming that four high values for 2022 have already occurred.

**Note:** The 2022 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:****5/29/2022**

| <b>8-Hour Daily Maxima (ppm<sub>v</sub>)</b> |             |                   |                     |
|----------------------------------------------|-------------|-------------------|---------------------|
| <b>Day</b>                                   | <b>Date</b> | <b>Springdale</b> | <b>Fayetteville</b> |
| Sunday                                       | 5/29/2022   | 0.000             | 0.000               |
| Monday                                       | 5/30/2022   | 0.033             | 0.038               |
| Tuesday                                      | 5/31/2022   | 0.024             | 0.028               |
| Wednesday                                    | 6/1/2022    | 0.037             | 0.039               |
| Thursday                                     | 6/2/2022    | 0.032             | 0.035               |
| Friday                                       | 6/3/2022    | 0.043             | 0.049               |
| Saturday                                     | 6/4/2022    | 0.053             | 0.059               |

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:



| <b>Four Highest 8-hour Ozone Concentrations for 2022 Season (ppm<sub>v</sub>)</b> |             |  |                     |             |
|-----------------------------------------------------------------------------------|-------------|--|---------------------|-------------|
| <b>Springdale</b>                                                                 |             |  | <b>Fayetteville</b> |             |
| <b>Conc.</b>                                                                      | <b>Date</b> |  | <b>Conc.</b>        | <b>Date</b> |
| 0.073                                                                             | 3/3/2022    |  | 0.073               | 3/3/2022    |
| 0.067                                                                             | 3/2/2022    |  | 0.067               | 3/4/2022    |
| 0.060                                                                             | 3/4/2022    |  | 0.065               | 3/2/2022    |
| 0.057                                                                             | 3/17/2022   |  | 0.063               | 3/17/2022   |

| <b>Computation of Design Value for Fayetteville/Springdale/Rogers Arkansas MSA</b> |                   |                     |                                                                                      |                     |
|------------------------------------------------------------------------------------|-------------------|---------------------|--------------------------------------------------------------------------------------|---------------------|
| <b>4th High Values (ppm<sub>v</sub>)</b>                                           |                   |                     | <b>Maximum 4th High 8hr Value To Remain Below 2015 Standard (0.070 ppm) for 2022</b> |                     |
| <b>Year</b>                                                                        | <b>Springdale</b> | <b>Fayetteville</b> |                                                                                      |                     |
| 2019                                                                               | 0.061             | 0.060               |                                                                                      |                     |
| 2020                                                                               | 0.054             | 0.055               | <b>Springdale</b>                                                                    | <b>Fayetteville</b> |
| 2021                                                                               | 0.063             | 0.062               | 0.095                                                                                | 0.095               |
| <b>3-year Avg. 4th High</b>                                                        | <b>0.059</b>      | <b>0.059</b>        |                                                                                      |                     |
| 2020                                                                               | 0.054             | 0.055               |                                                                                      |                     |
| 2021                                                                               | 0.063             | 0.062               |                                                                                      |                     |
| 2022                                                                               | 0.057             | 0.063               |                                                                                      |                     |
| Average                                                                            | <b>0.058</b>      | <b>0.060</b>        |                                                                                      |                     |
| <b>New Running DV*</b>                                                             | <b>0.060</b>      |                     |                                                                                      |                     |

\*New Running DV tentative assuming that four high values for 2022 have already occurred.

**Note:** The 2022 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: 5/29/2022**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |              |       |            |
|-----------------------------------------|-----------|--------------|-------|------------|
| Day                                     | Date      | Caddo Valley | Deer  | Eagle Mtn. |
| Sunday                                  | 5/29/2022 | 0.050        | 0.035 | 0.043      |
| Monday                                  | 5/30/2022 | 0.038        | 0.043 | 0.028      |
| Tuesday                                 | 5/31/2022 | 0.023        | 0.033 | 0.027      |
| Wednesday                               | 6/1/2022  | 0.027        | 0.032 | 0.042      |
| Thursday                                | 6/2/2022  | 0.018        | 0.029 | 0.036      |
| Friday                                  | 6/3/2022  | 0.043        | 0.053 | 0.000      |
| Saturday                                | 6/4/2022  | 0.047        | 0.058 | 0.000      |

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



| Four Highest 8-hour Ozone Concentrations for 2022 Season (ppm <sub>v</sub> ) |           |  |       |          |  |            |          |
|------------------------------------------------------------------------------|-----------|--|-------|----------|--|------------|----------|
| Caddo Valley                                                                 |           |  | Deer  |          |  | Eagle Mtn. |          |
| Conc.                                                                        | Date      |  | Conc. | Date     |  | Conc.      | Date     |
| 0.066                                                                        | 3/3/2022  |  | 0.072 | 3/3/2022 |  | 0.072      | 3/3/2022 |
| 0.061                                                                        | 3/2/2022  |  | 0.066 | 3/2/2022 |  | 0.071      | 3/2/2022 |
| 0.059                                                                        | 3/4/2022  |  | 0.062 | 3/4/2022 |  | 0.065      | 3/1/2022 |
| 0.058                                                                        | 4/29/2022 |  | 0.058 | 3/1/2022 |  | 0.061      | 3/4/2022 |

| 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 2022 |       |            |
| Year                                             | Caddo Valley | Deer         | Eagle Mtn.   |                                                                               |       |            |
| 2019                                             | 0.057        | 0.059        | 0.065        | Caddo Valley                                                                  | Deer  | Eagle Mtn. |
| 2020                                             | 0.049        | 0.061        | 0.058        |                                                                               |       |            |
| 2021                                             | 0.058        | 0.058        | 0.061        |                                                                               |       |            |
| <b>3-year Avg. 4th High</b>                      | <b>0.054</b> | <b>0.059</b> | <b>0.061</b> | 0.096                                                                         | 0.096 | 0.090      |
| 2020                                             | 0.058        | 0.058        | 0.061        |                                                                               |       |            |
| 2021                                             | 0.058        | 0.058        | 0.061        |                                                                               |       |            |
| 2022                                             | 0.058        | 0.058        | 0.061        |                                                                               |       |            |
| <b>Average</b>                                   | <b>0.058</b> | <b>0.058</b> | <b>0.061</b> |                                                                               |       |            |

**Note:** The 2022 information is "raw data" as automatically collected and reported by the monitoring stations and has not been QC-checked, analyzed, or verified.