

**Ozone Maxima (ppm<sub>v</sub>) for Forecast Period Starting: 5/31/2021**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |       |       |
|---|-----------|-------|-------|
| Day                                     | Date      | PARR  | NLRAP |
| Monday                                  | 5/31/2021 | 0.048 | 0.054 |
| Tuesday                                 | 6/1/2021  | 0.017 | 0.033 |
| Wednesday                               | 6/2/2021  | 0.025 | 0.025 |
| Thursday                                | 6/3/2021  | 0.041 | 0.040 |
| Friday                                  | 6/4/2021  | 0.050 | 0.053 |
| Saturday                                | 6/5/2021  | 0.023 | 0.029 |
| Sunday                                  | 6/6/2021  | 0.028 | 0.033 |

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 2021 Season (ppm<sub>v</sub>)**

| PARR  |           | NLRAP |           |
|-------|-----------|-------|-----------|
| Conc. | Date      | Conc. | Date      |
| 0.056 | 4/12/2021 | 0.060 | 4/12/2021 |
| 0.055 | 3/21/2021 | 0.058 | 5/22/2021 |
| 0.054 | 2/23/2021 | 0.056 | 5/14/2021 |
| 0.054 | 5/7/2021  | 0.055 | 4/4/2021  |

**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 2021 |       |
|-------------------------------------|--------------|--------------|---|-------|
| Year                                | PARR         | NLRAP        | PARR  | NLRAP |
| 2018                                | 0.064        | 0.067        |   |       |
| 2019                                | 0.057        | 0.059        |   |       |
| 2020                                | 0.060        | 0.063        | 0.095   | 0.090 |
| <b>3-Year Avg. 4th High</b>         | <b>0.060</b> | <b>0.063</b> |   |       |
| 2019                                | 0.057        | 0.059        |   |       |
| 2020                                | 0.060        | 0.063        |   |       |
| 2021                                | 0.054        | 0.055        |   |       |
| Average                             | <b>0.057</b> | <b>0.059</b> |   |       |
| <b>New Running DV*</b>              | <b>0.059</b> |              |   |       |

\*New Running DV tentative assuming that four high values for 2021 have already occurred.

**Note:** The 2021 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: 5/31/2021**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |        |        |         |              |          |
|---|-----------|--------|--------|---------|--------------|----------|
| Day                                     | Date      | Marion | Orgill | Frayser | Shelby Farms | Hernando |
| Monday                                  | 5/31/2021 | 0.052  | 0.047  | 0.051   | 0.051        | 0.049    |
| Tuesday                                 | 6/1/2021  | 0.026  | 0.023  | 0.021   | 0.024        | 0.024    |
| Wednesday                               | 6/2/2021  | 0.036  | 0.036  | 0.034   | 0.043        | 0.042    |
| Thursday                                | 6/3/2021  | 0.036  | 0.035  | 0.036   | 0.042        | 0.039    |
| Friday                                  | 6/4/2021  | 0.052  | 0.043  | 0.048   | 0.055        | 0.051    |
| Saturday                                | 6/5/2021  | 0.037  | 0.036  | 0.036   | 0.040        | 0.029    |
| Sunday                                  | 6/6/2021  | 0.020  | 0.018  | 0.019   | 0.023        | 0.017    |

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 2021 Season (ppm <sub>v</sub> ) |           |        |           |         |           |              |           |          |           |
|--|-----------|--------|-----------|---------|-----------|--------------|-----------|----------|-----------|
| Marion   |           | Orgill |           | Frayser |           | Shelby Farms |           | Hernando |           |
| Conc.  | Date      | Conc.  | Date      | Conc.   | Date      | Conc.        | Date      | Conc.    | Date      |
| 0.059  | 5/22/2021 | 0.058  | 4/4/2021  | 0.057   | 5/22/2021 | 0.062        | 4/12/2021 | 0.059    | 4/12/2021 |
| 0.057  | 4/4/2021  | 0.057  | 3/9/2021  | 0.056   | 4/12/2021 | 0.059        | 5/7/2021  | 0.059    | 4/30/2021 |
| 0.056  | 3/21/2021 | 0.056  | 4/5/2021  | 0.055   | 4/4/2021  | 0.058        | 5/22/2021 | 0.058    | 3/9/2021  |
| 0.055  | 4/12/2021 | 0.055  | 4/12/2021 | 0.054   | 4/5/2021  | 0.057        | 3/16/2021 | 0.058    | 3/16/2021 |

| 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 2021 |        |        |              |          |
| Year  | Frayser      | Orgill       | Marion       | Shelby Farms | Hernando     | Frayser   | Orgill | Marion | Shelby Farms | Hernando |
| 2018  | 0.068        | 0.068        | 0.070        | 0.073        | 0.069        |   |        |        |              |          |
| 2019  | 0.069        | 0.06         | 0.063        | 0.064        | 0.066        |   |        |        |              |          |
| 2020  | 0.06         | 0.062        | 0.069        | 0.062        | 0.062        | 0.083   | 0.090  | 0.080  | 0.086        | 0.084    |
| <b>3-Year Avg. 4th High</b>                           | <b>0.065</b> | <b>0.063</b> | <b>0.067</b> | <b>0.066</b> | <b>0.065</b> |   |        |        |              |          |
| 2019  | 0.069        | 0.060        | 0.063        | 0.064        | 0.066        |   |        |        |              |          |
| 2020  | 0.060        | 0.062        | 0.069        | 0.062        | 0.062        |   |        |        |              |          |
| 2021  | 0.054        | 0.055        | 0.055        | 0.057        | 0.058        |   |        |        |              |          |
| Average   | <b>0.061</b> | <b>0.059</b> | <b>0.062</b> | <b>0.061</b> | <b>0.062</b> |   |        |        |              |          |
| <b>New RunningDV*</b>                                 | <b>0.062</b> |              |              |              |              |   |        |        |              |          |

\*New Running DV tentative assuming that four high values for 2021 have already occurred.

**Note:** The 2021 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: 5/31/2021**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |            |              |
|---|-----------|------------|--------------|
| Day                                     | Date      | Springdale | Fayetteville |
| Monday                                  | 5/31/2021 | 0.042      | 0.043        |
| Tuesday                                 | 6/1/2021  | 0.035      | 0.029        |
| Wednesday                               | 6/2/2021  | 0.029      | 0.026        |
| Thursday                                | 6/3/2021  | 0.053      | 0.055        |
| Friday                                  | 6/4/2021  | 0.053      | 0.050        |
| Saturday                                | 6/5/2021  | 0.035      | 0.035        |
| Sunday                                  | 6/6/2021  | 0.034      | 0.036        |

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 2021 Season (ppm <sub>v</sub> ) |           |              |           |
|--|-----------|--------------|-----------|
| Springdale   |           | Fayetteville |           |
| Conc.  | Date      | Conc.        | Date      |
| 0.056  | 4/2/2021  | 0.057        | 4/30/2021 |
| 0.055  | 3/27/2021 | 0.056        | 3/8/2021  |
| 0.054  | 4/3/2021  | 0.055        | 3/4/2021  |
| 0.054  | 4/30/2021 | 0.055        | 6/3/2021  |

**New High Value(s)**

| 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 2021 |              |
| Year  | Springdale   | Fayetteville | Springdale  | Fayetteville |
| 2018  | 0.064        | 0.065        |   |              |
| 2019  | 0.061        | 0.060        |   |              |
| 2020  | 0.054        | 0.055        | 0.097   | 0.097        |
| <b>3-year Avg. 4th High</b>   | <b>0.059</b> | <b>0.060</b> |   |              |
| 2019  | 0.061        | 0.060        |   |              |
| 2020  | 0.054        | 0.055        |   |              |
| 2021  | 0.054        | 0.055        |   |              |
| Average   | <b>0.056</b> | <b>0.056</b> |   |              |
| <b>New Running DV*</b>  | <b>0.056</b> |              |   |              |

\*New Running DV tentative assuming that four high values for 2021 have already occurred.

**Note:** The 2021 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: 5/31/2021**

| 8-Hour Daily Maxima (ppm <sub>v</sub> ) |           |              |       |            |
|---|-----------|--------------|-------|------------|
| Day                                     | Date      | Caddo Valley | Deer  | Eagle Mtn. |
| Monday                                  | 5/31/2021 | 0.036        | 0.047 | 0.049      |
| Tuesday                                 | 6/1/2021  | 0.024        | 0.033 | 0.032      |
| Wednesday                               | 6/2/2021  | 0.026        | 0.024 | 0.030      |
| Thursday                                | 6/3/2021  | 0.042        | 0.046 | 0.047      |
| Friday                                  | 6/4/2021  | 0.037        | 0.049 | 0.047      |
| Saturday                                | 6/5/2021  | 0.017        | 0.045 | 0.036      |
| Sunday                                  | 6/6/2021  | 0.028        | 0.031 | 0.046      |

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



| Four Highest 8-hour Ozone Concentrations for 2021 Season (ppm <sub>v</sub> ) |           |       |           |            |           |
|--|-----------|-------|-----------|------------|-----------|
| Caddo Valley   |           | Deer  |           | Eagle Mtn. |           |
| Conc.  | Date      | Conc. | Date      | Conc.      | Date      |
| 0.056  | 2/23/2021 | 0.056 | 4/2/2021  | 0.059      | 3/8/2021  |
| 0.053  | 4/13/2021 | 0.055 | 3/21/2021 | 0.058      | 4/12/2021 |
| 0.052  | 3/8/2021  | 0.055 | 4/4/2021  | 0.058      | 4/26/2021 |
| 0.052  | 3/22/2021 | 0.054 | 2/23/2021 | 0.056      | 2/23/2021 |

| 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 2021 |       |            |
| Year   | Caddo Valley | Deer         | Eagle Mtn.   | Caddo Valley  | Deer  | Eagle Mtn. |
| 2018   | 0.062        | 0.062        | 0.064        |   |       |            |
| 2019   | 0.057        | 0.059        | 0.065        |   |       |            |
| 2020   | 0.049        | 0.061        | 0.058        | 0.106   | 0.092 | 0.089      |
| <b>3-year Avg. 4th High</b>                      | <b>0.056</b> | <b>0.060</b> | <b>0.062</b> |   |       |            |
| 2019   | 0.057        | 0.059        | 0.065        |   |       |            |
| 2020   | 0.049        | 0.061        | 0.058        |   |       |            |
| 2021   | 0.052        | 0.054        | 0.056        |   |       |            |
| <b>Average</b>                                   | <b>0.052</b> | <b>0.058</b> | <b>0.059</b> |   |       |            |

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