

Ozone Maxima (ppm_v) for Forecast Period Starting: 5/22/2022

| 8-Hour Daily Maxima (ppm_v) | | | |
|--|-------------|-------------|--------------|
| Day | Date | PARR | NLRAP |
| Sunday | 5/22/2022 | 0.023 | 0.024 |
| Monday | 5/23/2022 | 0.032 | 0.035 |
| Tuesday | 5/24/2022 | 0.022 | 0.024 |
| Wednesday | 5/25/2022 | 0.044 | 0.043 |
| Thursday | 5/26/2022 | 0.031 | 0.026 |
| Friday | 5/27/2022 | 0.041 | 0.039 |
| Saturday | 5/28/2022 | 0.045 | 0.049 |

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_v)

| 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 |
| 0.056 | 3/1/2022 | 0.058 | 3/4/2022 |

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

| 4th High Values (ppm_v) | | | Maximum 4th High 8hr Value To Remain Below 2015 Standard (0.070 ppm) for 2022 | |
|--|--------------|--------------|--|--------------|
| Year | PARR | NLRAP | PARR | NLRAP |
| 2019 | 0.057 | 0.059 | | |
| 2020 | 0.060 | 0.063 | | |
| 2021 | 0.062 | 0.067 | 0.090 | 0.082 |
| 3-Year Avg. 4th High | 0.059 | 0.063 | | |
| 2020 | 0.060 | 0.063 | | |
| 2021 | 0.062 | 0.067 | | |
| 2022 | 0.056 | 0.058 | | |
| Average | 0.059 | 0.062 | | |
| New Running DV* | 0.062 | | | |

*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_v) for Forecast Period Starting: 5/22/2022

| 8-Hour Daily Maxima (ppm _v) | | | | | | |
|---|-----------|--------|--------|---------|--------------|----------|
| Day | Date | Marion | Orgill | Frayser | Shelby Farms | Hernando |
| Sunday | 5/22/2022 | 0.034 | 0.034 | 0.033 | 0.039 | 0.034 |
| Monday | 5/23/2022 | 0.033 | 0.029 | 0.029 | 0.033 | 0.035 |
| Tuesday | 5/24/2022 | 0.031 | 0.026 | 0.026 | 0.027 | 0.023 |
| Wednesday | 5/25/2022 | 0.027 | 0.029 | 0.025 | 0.028 | 0.022 |
| Thursday | 5/26/2022 | 0.039 | 0.041 | 0.039 | 0.044 | 0.040 |
| Friday | 5/27/2022 | 0.034 | 0.029 | 0.033 | 0.034 | 0.035 |
| Saturday | 5/28/2022 | 0.057 | 0.045 | 0.059 | 0.057 | 0.046 |

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 _v) | | | | | | | | | |
|--|-----------|--------|-----------|---------|-----------|--------------|-----------|----------|-----------|
| Marion | | Orgill | | Frayser | | Shelby Farms | | Hernando | |
| Conc. | Date | Conc. | Date | Conc. | Date | Conc. | Date | Conc. | Date |
| 0.068 | 5/17/2022 | 0.069 | 3/3/2022 | 0.069 | 3/3/2022 | 0.074 | 3/3/2022 | 0.071 | 3/3/2022 |
| 0.067 | 3/3/2022 | 0.069 | 3/4/2022 | 0.066 | 5/17/2022 | 0.072 | 5/12/2022 | 0.067 | 3/4/2022 |
| 0.060 | 3/4/2022 | 0.066 | 3/2/2022 | 0.065 | 5/11/2022 | 0.068 | 3/4/2022 | 0.065 | 3/2/2022 |
| 0.060 | 4/28/2022 | 0.061 | 4/29/2022 | 0.061 | 3/4/2022 | 0.067 | 5/14/2022 | 0.057 | 4/29/2022 |

| Computation of Design Values for Memphis TN-MS-AR MSA | | | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|---|--------|--------|--------------|----------|
| 4th High Values (ppm _v) | | | | | | 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 |
| 3-Year Avg. 4th High | 0.065 | 0.061 | 0.068 | 0.065 | 0.064 | | | | | |
| 2020 | 0.060 | 0.062 | 0.069 | 0.062 | 0.062 | | | | | |
| 2021 | 0.067 | 0.063 | 0.072 | 0.071 | 0.065 | | | | | |
| 2022 | 0.061 | 0.061 | 0.060 | 0.067 | 0.057 | | | | | |
| Average | 0.062 | 0.062 | 0.067 | 0.066 | 0.061 | | | | | |
| New RunningDV* | 0.067 | | | | | | | | | |

*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.

| 8-Hour Daily Maxima (ppm_v) | | | |
|--|-------------|-------------------|---------------------|
| Day | Date | Springdale | Fayetteville |
| Sunday | 5/22/2022 | 0.027 | 0.029 |
| Monday | 5/23/2022 | 0.023 | 0.029 |
| Tuesday | 5/24/2022 | 0.025 | 0.030 |
| Wednesday | 5/25/2022 | 0.034 | 0.036 |
| Thursday | 5/26/2022 | 0.022 | 0.025 |
| Friday | 5/27/2022 | 0.046 | 0.052 |
| Saturday | 5/28/2022 | 0.036 | 0.046 |

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 2022 Season (ppm_v) | | | |
|---|-------------|---------------------|-------------|
| Springdale | | Fayetteville | |
| Conc. | Date | Conc. | Date |
| 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 |

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

*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_v) for Forecast Period Starting: 5/22/2022

| 8-Hour Daily Maxima (ppm _v) | | | | |
|---|-----------|--------------|-------|------------|
| Day | Date | Caddo Valley | Deer | Eagle Mtn. |
| Sunday | 5/22/2022 | 0.021 | 0.025 | 0.020 |
| Monday | 5/23/2022 | 0.036 | 0.025 | 0.032 |
| Tuesday | 5/24/2022 | 0.023 | 0.032 | 0.037 |
| Wednesday | 5/25/2022 | 0.048 | 0.040 | 0.040 |
| Thursday | 5/26/2022 | 0.036 | 0.033 | 0.033 |
| Friday | 5/27/2022 | 0.043 | 0.051 | 0.051 |
| Saturday | 5/28/2022 | 0.043 | 0.047 | 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 2022 Season (ppm _v) | | | | | |
|--|-----------|-------|----------|------------|----------|
| 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 _v) | | | | Maximum 4th High 8hr Value To Remain Below 2015 Standard (0.070 ppm) for 2022 | | |
| Year | Caddo Valley | Deer | Eagle Mtn. | Caddo Valley | Deer | Eagle Mtn. |
| 2019 | 0.057 | 0.059 | 0.065 | | | |
| 2020 | 0.049 | 0.061 | 0.058 | | | |
| 2021 | 0.058 | 0.058 | 0.061 | 0.096 | 0.096 | 0.090 |
| 3-year Avg. 4th High | 0.054 | 0.059 | 0.061 | | | |
| 2020 | 0.058 | 0.058 | 0.061 | | | |
| 2021 | 0.058 | 0.058 | 0.061 | | | |
| 2022 | 0.058 | 0.058 | 0.061 | | | |
| Average | 0.058 | 0.058 | 0.061 | | | |

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.