

Ozone Maxima (ppm_v) for Forecast Period Starting: 6/11/2018

| 8-Hour Daily Maxima (ppm_v) | | | |
|--|-------------|-------------|--------------|
| Day | Date | PARR | NLRAP |
| Monday | 6/11/2018 | 0.030 | 0.033 |
| Tuesday | 6/12/2018 | 0.032 | 0.036 |
| Wednesday | 6/13/2018 | 0.032 | 0.034 |
| Thursday | 6/14/2018 | 0.048 | 0.057 |
| Friday | 6/15/2018 | 0.038 | 0.044 |
| Saturday | 6/16/2018 | 0.035 | 0.042 |
| Sunday | 6/17/2018 | 0.034 | 0.036 |

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 2018 Season (ppm_v)

| PARR | | NLRAP | |
|--------------|-------------|--------------|-------------|
| Conc. | Date | Conc. | Date |
| 0.077 | 6/6/2018 | 0.070 | 6/5/2018 |
| 0.073 | 6/5/2018 | 0.070 | 6/6/2018 |
| 0.064 | 6/7/2018 | 0.070 | 6/7/2018 |
| 0.062 | 5/7/2018 | 0.067 | 5/24/2018 |

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 2018 | |
|--|--------------|--------------|--|--------------|
| Year | PARR | NLRAP | PARR | NLRAP |
| 2015 | 0.061 | 0.065 | | |
| 2016 | 0.065 | 0.063 | 0.089 | 0.087 |
| 2017 | 0.058 | 0.062 | | |
| 3-Year Avg. 4th High | 0.061 | 0.063 | | |
| 2016 | 0.065 | 0.063 | | |
| 2017 | 0.058 | 0.062 | | |
| 2018 | 0.062 | 0.067 | | |
| Average | 0.061 | 0.064 | | |
| New Running DV* | 0.064 | | | |

*New Running DV tentative assuming that four high values for 2018 have already occurred.

Note: The 2018 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: 6/11/2018

| 8-Hour Daily Maxima (ppm _v) | | | | | | |
|---|-----------|--------|--------|---------|--------------|----------|
| Day | Date | Marion | Orgill | Frayser | Shelby Farms | Hernando |
| Monday | 6/11/2018 | 0.035 | 0.044 | 0.038 | 0.041 | 0.032 |
| Tuesday | 6/12/2018 | 0.039 | 0.047 | 0.040 | 0.046 | 0.032 |
| Wednesday | 6/13/2018 | 0.050 | 0.050 | 0.052 | 0.046 | 0.035 |
| Thursday | 6/14/2018 | 0.061 | 0.075 | 0.066 | 0.076 | 0.057 |
| Friday | 6/15/2018 | 0.068 | 0.065 | 0.064 | 0.068 | 0.049 |
| Saturday | 6/16/2018 | 0.056 | 0.054 | 0.057 | 0.056 | 0.047 |
| Sunday | 6/17/2018 | 0.045 | 0.046 | 0.045 | 0.044 | 0.039 |

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 2018 Season (ppm _v) | | | | | | | | | |
|--|-----------|--------|-----------|---------|----------|--------------|-----------|----------|-----------|
| Marion | | Orgill | | Frayser | | Shelby Farms | | Hernando | |
| Conc. | Date | Conc. | Date | Conc. | Date | Conc. | Date | Conc. | Date |
| 0.075 | 6/6/2018 | 0.075 | 6/14/2018 | 0.071 | 6/6/2018 | 0.079 | 6/6/2018 | 0.089 | 6/6/2018 |
| 0.071 | 6/5/2018 | 0.073 | 6/6/2018 | 0.071 | 6/7/2018 | 0.076 | 6/14/2018 | 0.075 | 6/5/2018 |
| 0.070 | 6/7/2018 | 0.071 | 6/8/2018 | 0.068 | 6/8/2018 | 0.070 | 6/5/2018 | 0.071 | 5/10/2018 |
| 0.068 | 6/15/2018 | 0.068 | 5/8/2018 | 0.067 | 5/8/2018 | 0.068 | 6/15/2018 | 0.069 | 5/7/2018 |

New High Value(s)

New High Value(s)

New High Value(s)

| 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 2018 | | | | |
| Year | Frayser | Orgill | Marion | Shelby Farms | Hernando | Frayser | Orgill | Marion | Shelby Farms | Hernando |
| 2015 | 0.065 | 0.066 | 0.066 | 0.066 | 0.061 | | | | | |
| 2016 | 0.071 | 0.067 | 0.070 | 0.068 | 0.066 | | | | | |
| 2017 | 0.064 | 0.064 | 0.064 | 0.068 | 0.060 | 0.077 | 0.081 | 0.078 | 0.076 | 0.086 |
| 3-Year Avg. 4th High | 0.066 | 0.065 | 0.066 | 0.067 | 0.062 | | | | | |
| 2016 | 0.071 | 0.067 | 0.070 | 0.068 | 0.066 | | | | | |
| 2017 | 0.064 | 0.064 | 0.064 | 0.068 | 0.060 | | | | | |
| 2018 | 0.067 | 0.068 | 0.068 | 0.068 | 0.069 | | | | | |
| Average | 0.067 | 0.066 | 0.067 | 0.068 | 0.065 | | | | | |
| New RunningDV* | 0.068 | | | | | | | | | |

*New Running DV tentative assuming that four high values for 2018 have already occurred.

Note: The 2018 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: 6/11/2018

| 8-Hour Daily Maxima (ppm _v) | | | |
|---|-----------|------------|--------------|
| Day | Date | Springdale | Fayetteville |
| Monday | 6/11/2018 | 0.037 | 0.035 |
| Tuesday | 6/12/2018 | 0.047 | 0.041 |
| Wednesday | 6/13/2018 | 0.049 | 0.039 |
| Thursday | 6/14/2018 | 0.045 | 0.042 |
| Friday | 6/15/2018 | 0.043 | 0.042 |
| Saturday | 6/16/2018 | 0.038 | 0.035 |
| Sunday | 6/17/2018 | 0.034 | 0.031 |

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 2018 Season (ppm _v) | | | |
|--|-----------|--------------|-----------|
| Springdale | | Fayetteville | |
| Conc. | Date | Conc. | Date |
| 0.065 | 5/6/2018 | 0.066 | 3/15/2018 |
| 0.062 | 3/15/2018 | 0.066 | 4/24/2018 |
| 0.062 | 4/24/2018 | 0.065 | 5/7/2018 |
| 0.062 | 5/8/2018 | 0.064 | 4/28/2018 |

| 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 2018 | |
| 2015 | 0.064 | 0.061 | | |
| 2016 | 0.056 | 0.058 | | |
| 2017 | 0.061 | 0.058 | Springdale | Fayetteville |
| | | | 0.095 | 0.096 |
| 3-year Avg. 4th High | 0.060 | 0.059 | | |
| 2016 | 0.056 | 0.058 | | |
| 2017 | 0.061 | 0.058 | | |
| 2018 | 0.062 | 0.064 | | |
| Average | 0.059 | 0.060 | | |
| New Running DV* | 0.060 | | | |

*New Running DV tentative assuming that four high values for 2018 have already occurred.

Note: The 2018 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: 6/11/2018

| 8-Hour Daily Maxima (ppm _v) | | | | |
|---|-----------|--------------|-------|------------|
| Day | Date | Caddo Valley | Deer | Eagle Mtn. |
| Monday | 6/11/2018 | 0.032 | 0.028 | 0.025 |
| Tuesday | 6/12/2018 | 0.034 | 0.046 | 0.072 |
| Wednesday | 6/13/2018 | 0.034 | 0.042 | 0.046 |
| Thursday | 6/14/2018 | 0.042 | 0.039 | 0.048 |
| Friday | 6/15/2018 | 0.038 | 0.038 | 0.040 |
| Saturday | 6/16/2018 | 0.028 | 0.030 | 0.034 |
| Sunday | 6/17/2018 | 0.025 | 0.028 | 0.026 |

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



| Four Highest 8-hour Ozone Concentrations for 2018 Season (ppm _v) | | | | | |
|--|-----------|-------|-----------|------------|-----------|
| Caddo Valley | | Deer | | Eagle Mtn. | |
| Conc. | Date | Conc. | Date | Conc. | Date |
| 0.066 | 3/15/2018 | 0.065 | 3/15/2018 | 0.072 | 6/12/2018 |
| 0.062 | 4/18/2018 | 0.064 | 6/5/2018 | 0.068 | 3/15/2018 |
| 0.062 | 5/8/2018 | 0.062 | 4/24/2018 | 0.065 | 5/8/2018 |
| 0.062 | 6/6/2018 | 0.062 | 5/8/2018 | 0.064 | 5/7/2018 |

New High Value(s)

| 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 2018 | | |
| Year | Caddo Valley | Deer | Eagle Mtn. | Caddo Valley | Deer | Eagle Mtn. |
| 2015 | 0.060 | 0.061 | 0.065 | 0.099 | 0.100 | 0.091 |
| 2016 | 0.055 | 0.056 | 0.060 | | | |
| 2017 | 0.058 | 0.056 | 0.061 | | | |
| 3-year Avg. 4th High | 0.057 | 0.057 | 0.062 | | | |
| 2016 | 0.055 | 0.056 | 0.060 | | | |
| 2017 | 0.058 | 0.056 | 0.061 | | | |
| 2018 | 0.062 | 0.062 | 0.064 | | | |
| Average | 0.058 | 0.058 | 0.061 | | | |

Note: The 2018 information is "raw data" as automatically collected and reported by the monitoring stations and has not been QC-checked, analyzed, or verified.