

**Ozone Maxima (ppm<sub>v</sub>) for Forecast Period Starting: 8/20/2018**

<b>8-Hour Daily Maxima (ppm<sub>v</sub>)</b>			
<b>Day</b>	<b>Date</b>	<b>PARR</b>	<b>NLRAP</b>
Monday	8/20/2018	0.041	0.039
Tuesday	8/21/2018	0.035	0.033
Wednesday	8/22/2018	0.044	0.042
Thursday	8/23/2018	0.042	0.046
Friday	8/24/2018	0.042	0.049
Saturday	8/25/2018	0.051	0.053
Sunday	8/26/2018	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 2018 Season (ppm<sub>v</sub>)**

<b>PARR</b>		<b>NLRAP</b>	
<b>Conc.</b>	<b>Date</b>	<b>Conc.</b>	<b>Date</b>
0.077	6/6/2018	0.070	6/5/2018
0.073	6/5/2018	0.070	6/6/2018
0.066	7/25/2018	0.070	6/7/2018
0.064	6/7/2018	0.067	5/24/2018

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

\*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<sub>v</sub>) for Forecast Period Starting: 8/20/2018**

8-Hour Daily Maxima (ppm <sub>v</sub> )						
Day	Date	Marion	Orgill	Frayser	Shelby Farms	Hernando
Monday	8/20/2018	0.035	0.037	0.032	0.035	0.029
Tuesday	8/21/2018	0.033	0.030	0.031	0.035	0.030
Wednesday	8/22/2018	0.043	0.042	0.041	0.048	0.050
Thursday	8/23/2018	0.049	0.042	0.043	0.049	0.046
Friday	8/24/2018	0.048	0.053	0.052	0.052	0.038
Saturday	8/25/2018	0.049	0.056	0.051	0.052	0.036
Sunday	8/26/2018	0.042	0.046	0.044	0.042	0.030

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 <sub>v</sub> )									
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	0.075	7/16/2018	0.080	7/13/2018	0.089	6/6/2018
0.075	8/3/2018	0.073	6/6/2018	0.071	6/6/2018	0.079	6/6/2018	0.075	6/5/2018
0.071	6/5/2018	0.071	6/8/2018	0.071	6/7/2018	0.076	6/14/2018	0.071	5/10/2018
0.070	6/7/2018	0.068	5/8/2018	0.068	6/8/2018	0.072	7/16/2018	0.069	5/7/2018

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 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
<b>3-Year Avg. 4th High</b>	<b>0.066</b>	<b>0.065</b>	<b>0.066</b>	<b>0.067</b>	<b>0.062</b>					
2016	0.071	0.067	0.070	0.068	0.066					
2017	0.064	0.064	0.064	0.068	0.060					
2018	0.068	0.068	0.070	0.072	0.069					
Average	<b>0.067</b>	<b>0.066</b>	<b>0.068</b>	<b>0.069</b>	<b>0.065</b>					
<b>New RunningDV*</b>						<b>0.069</b>				

\*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.

<b>8-Hour Daily Maxima (ppm<sub>v</sub>)</b>			
<b>Day</b>	<b>Date</b>	<b>Springdale</b>	<b>Fayetteville</b>
Monday	8/20/2018	0.039	0.040
Tuesday	8/21/2018	0.042	0.043
Wednesday	8/22/2018	0.041	0.047
Thursday	8/23/2018	0.036	0.042
Friday	8/24/2018	0.054	0.057
Saturday	8/25/2018	0.055	0.056
Sunday	8/26/2018	0.050	0.051

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 2018 Season (ppm<sub>v</sub>)</b>			
<b>Springdale</b>		<b>Fayetteville</b>	
<b>Conc.</b>	<b>Date</b>	<b>Conc.</b>	<b>Date</b>
0.066	8/9/2018	0.066	3/15/2018
0.065	5/6/2018	0.066	4/24/2018
0.064	8/10/2018	0.066	8/1/2018
0.064	7/20/2018	0.065	5/7/2018

<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 2018</b>	
<b>Year</b>	<b>Springdale</b>	<b>Fayetteville</b>	<b>Springdale</b>	<b>Fayetteville</b>
2015	0.064	0.061		
2016	0.056	0.058		
2017	0.061	0.058	0.095	0.096
<b>3-year Avg. 4th High</b>	<b>0.060</b>	<b>0.059</b>		
2016	0.056	0.058		
2017	0.061	0.058		
2018	0.064	0.065		
Average	<b>0.060</b>	<b>0.060</b>		
<b>New Running DV*</b>	<b>0.060</b>			

\*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<sub>v</sub>) for Forecast Period Starting: 8/20/2018**

8-Hour Daily Maxima (ppm <sub>v</sub> )				
Day	Date	Caddo Valley	Deer	Eagle Mtn.
Monday	8/20/2018	0.043	0.041	0.045
Tuesday	8/21/2018	0.037	0.043	0.042
Wednesday	8/22/2018	0.044	0.040	0.044
Thursday	8/23/2018	0.036	0.031	0.040
Friday	8/24/2018	0.046	0.043	0.056
Saturday	8/25/2018	0.048	0.045	0.053
Sunday	8/26/2018	0.049	0.045	0.053

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 <sub>v</sub> )					
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

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

**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.