



## Air Quality Analysis for Ozone

The following information is for the ambient air monitors operated by the state. This information is reported to the U.S. Environmental Protection Agency's Air Quality System database. The monitoring information provided in the chart below includes the preliminary design values for the ozone National Ambient Air Quality Standard, or NAAQS.

In March 2008, EPA strengthened the ozone NAAQS by setting it at a level of 0.075 parts per million (ppm) measured over 8 hours. In April 2012, EPA finalized nonattainment areas for the 2008 ozone NAAQS. In Missouri, only the St. Louis area was designated as nonattainment with a boundary encompassing St. Louis City and St. Louis, St. Charles, Jefferson, and Franklin Counties. Missouri then developed plans to bring the St. Louis nonattainment area into compliance. In September 2018, EPA formally redesignated the St. Louis area back to attainment of the 2008 ozone NAAQS.

In October 2015 (effective in December 2015), EPA further strengthened the ozone NAAQS by setting it at a level of 0.070 ppm measured over 8 hours. Based on 2015 to 2017 monitoring data, only the West Alton site in the St. Louis area exceeds the standard. On April 30, 2018, EPA designated the City of St. Louis, St. Charles County, St. Louis County, and a portion of Franklin County (Boles Township) in Missouri as nonattainment for the 2015 ozone NAAQS. Jefferson County and the remainder of Franklin County were not included in the nonattainment area for the 2015 ozone NAAQS at that time. Then, in July 2021, as a result of federal litigation, EPA revised the designation for Jefferson County. This action changed Jefferson County from attainment to nonattainment and added it back into the St. Louis nonattainment area. All of Franklin County, with the exception of Boles Township, remains in attainment for the 2015 ozone NAAQS.

For more information, see [Ozone Pollutants and Sources](#) on the Missouri Department of Natural Resources website.



# Eight-hour Ozone Design Values<sup>a</sup>

Annual summary through June 9, 2024

Site	County	Fourth Highest Eight-Hour Ozone Averages					Critical Values	Exceedances > 70 ppb (2015 Std)	Design Values		
		Parts per billion (ppb) Year-to-date							Year-to-date		
		2020	2021	2022	2023	2024 <sup>cd</sup>	CV - 70	2024 <sup>c</sup>	20-22	21-23	22-24 <sup>c</sup>
<b>St. Louis</b>											
Arnold West	Jefferson	65	<b>73</b>	67	<b>78</b>	53	68	0	68	<b>72</b>	66
Blair Street*	St. Louis City	65	68	68	<b>77</b>	56	68	0	67	<b>71</b>	67
Foley West	Lincoln	65	60	68	<b>76</b>	59	69	0	64	68	67
Maryland Heights	St. Louis	<b>74</b>	65	67	<b>81</b>	56	65	0	68	<b>71</b>	68
Orchard Farm	St. Charles	65	65	67	<b>73</b>	58	73	0	65	68	66
Pacific	St. Louis	65	65	61	<b>77</b>	55	75	0	63	67	64
West Alton	St. Charles	<b>71</b>	67	<b>71</b>	<b>80</b>	60	62	0	69	<b>72</b>	70
<b>Ste. Genevieve</b>											
Bonne Terre	Ste. Genevieve	61	65	63	<b>78</b>	55	72	0	63	68	65
<b>Southeast</b>											
Farrar	Perry	59	67	67	<b>80</b>	55	66	0	64	<b>71</b>	67
<b>Kansas City</b>											
Liberty	Clay	65	66	69	<b>74</b>	63	70	<b>1</b>	66	69	68
RG South	Cass	58	63	63	<b>73</b>	55	77	0	61	66	63
Rocky Creek	Clay	65	<b>71</b>	69	<b>74</b>	63	70	0	68	<b>71</b>	68
Trimble	Clinton	63	63	65	<b>76</b>	62	72	0	63	68	67
Watkins Mill	Clay	65	65	66	<b>71</b>	61	76	0	65	67	66
<b>Springfield</b>											
Fellows Lake	Greene	53	60	66	<b>72</b>	57	75	0	59	66	65
Hillcrest H.S.	Greene	56	63	66	<b>71</b>	42	76	0	61	66	59
<b>Outstate</b>											
Alba	Jasper	56	64	69	69	56	75	0	63	67	64
El Dorado Springs	Cedar	57	59	66	<b>73</b>	56	74	0	60	66	65
Finger Lakes	Boone	57	58	57	<b>72</b>	57	84	0	57	62	62
Mark Twain*	Monroe	56	55	53	70	54	90	0	54	59	59
New Bloomfield	Callaway	58	61	59	<b>71</b>	55	83	0	59	63	61
Savannah	Andrew	61	61	61	<b>72</b>	57	80	0	61	64	63

1

<sup>a</sup>Quality assured data through Dec. 31, 2023.

<sup>c</sup>Year-to-date preliminary data. Numbers may change as more data is collected over the year. Do not cite or quote.

<sup>d</sup>Fourth highest concentration measured year-to-date. Concentrations may change as more data is collected over the year.

\*Year-round ozone monitoring. Blair Street is a National (Ncore) multipollutant site and a Photochemical Assessment Monitoring Station (PAMS).

Design values in red and bold are violations of 2015 standard.

Fourth highest eight-hour averages in purple and bold are exceedances of the 2015 standard.



## Four Highest Eight-hour Ozone Values

Through June 9, 2024

2024<sup>c</sup>

Year-to-date in parts per billion (ppb)

<i>St. Louis</i>	1 <sup>st</sup> High	2 <sup>nd</sup> High	3 <sup>rd</sup> High	4 <sup>th</sup> High	CV - 70
Arnold West	61	56	53	53	68
Blair Street*	57	56	56	56	68
Foley West	62	60	60	59	69
Maryland Heights	65	58	57	56	65
Orchard Farm	62	62	60	58	73
Pacific	66	57	57	55	75
West Alton	66	63	60	60	62

### *Ste. Genevieve*

Bonne Terre	58	58	57	55	72
-------------	----	----	----	----	----

### *Southeast*

Farrar	57	57	57	55	66
--------	----	----	----	----	----

### *Kansas City*

Liberty	<b>73</b>	65	63	63	70
RG South	64	58	56	55	77
Rocky Creek	65	65	63	63	70
Trimble	66	64	62	62	72
Watkins Mill	66	65	62	61	76

### *Springfield*

Fellows Lake	59	58	57	57	75
Hillcrest H.S.	55	43	42	42	76

### *Outstate*

Alba	59	59	58	56	75
El Dorado Springs	58	58	57	56	74
Finger Lakes	62	59	59	57	84
Mark Twain*	58	56	54	54	90
New Bloomfield	57	56	56	55	83
Savannah	61	60	59	57	80

#### CV - 70:

The critical value (CV) is the current year's fourth-highest value, which, if monitored, could yield a violation of the ozone standard for the most current three year period. (CV = 213 ppb – last year's fourth-highest value – previous year's fourth-highest value).

<sup>c</sup>Year-to-date preliminary data. Do not cite or quote.

\*Year-round ozone monitoring. Blair Street is an Ncore and a PAMS site.

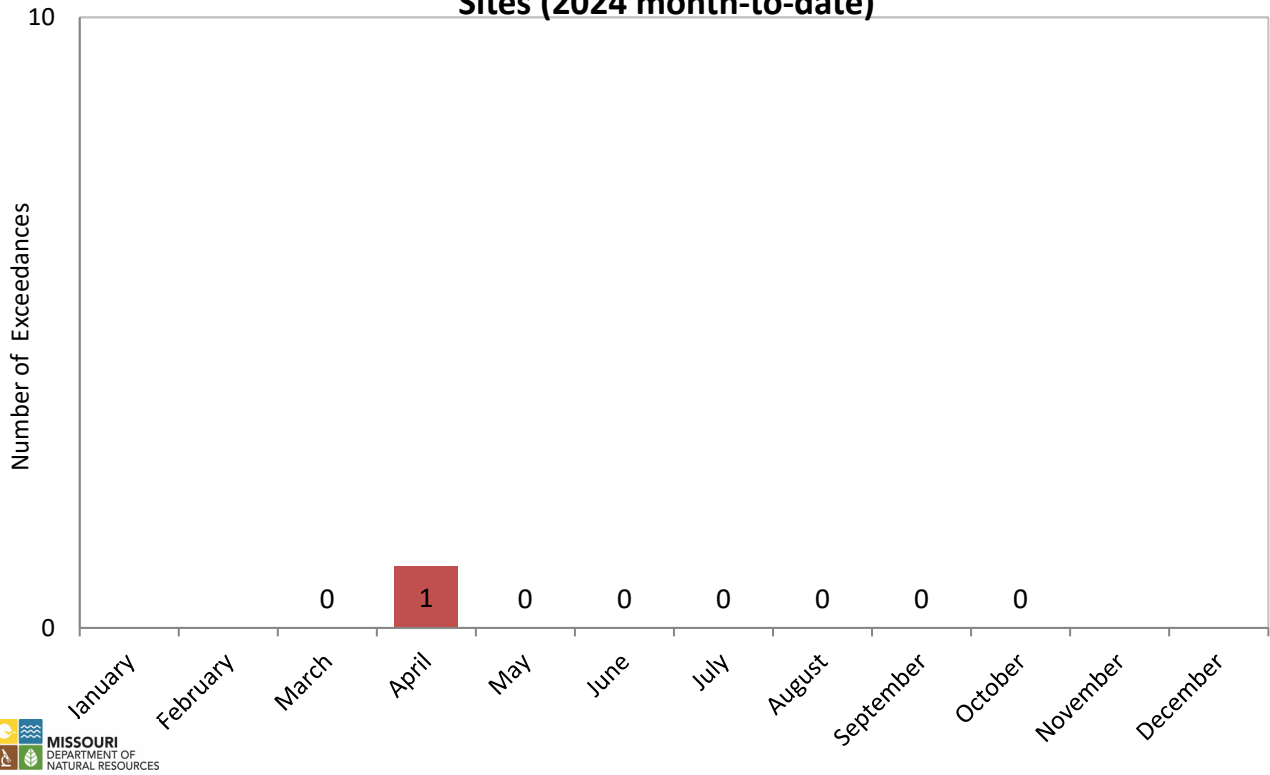
Averages in red and bold recorded from the primary monitor and exceed the 2015 standard.

Averages in green recorded from the secondary monitor, primary monitor inoperative at that time.

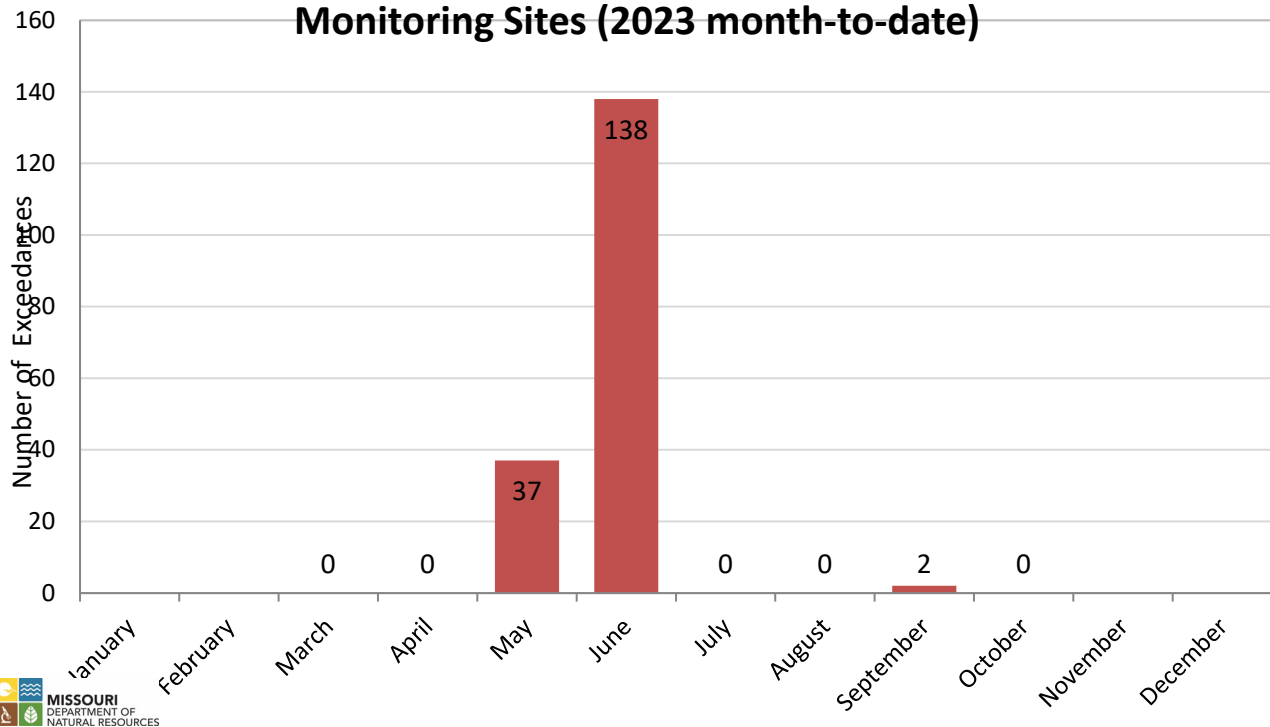
Averages in green and bold recorded from the secondary monitor and exceed the 2015 standard.



### Monthly Number of Ozone Exceedances at the State Air Monitoring Sites (2024 month-to-date)



### Monthly Number of Ozone Exceedances at the State Air Monitoring Sites (2023 month-to-date)





## Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million <sup>^</sup>

Ozone Season is from March 1 to October 31

	Area's Maximum	Site's Maximum	1-Mar	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar
<b><i>St. Louis</i></b>	0.066									
Arnold West		0.061	0.032	0.039	0.035	0.027	0.025	0.035	0.019	0.023
Blair Street*		0.057	0.028	0.042	0.037	0.026	0.025	0.034	0.018	0.024
Foley West		0.062	0.040	0.045	0.043	0.034	0.028	0.042	0.023	0.029
Maryland Heights		0.065	0.032	0.043	0.039	0.031	0.028	0.037	0.022	0.025
Orchard Farm		0.062	0.031	0.043	0.039	0.031	0.028	0.037	0.021	0.023
Pacific		0.066	0.038	0.045	0.040	0.032	0.028	0.039	0.024	0.025
West Alton		0.066	0.030	0.045	0.043	0.031	0.029	0.038	0.022	0.026
<b><i>Ste. Genevieve</i></b>	0.058									
Bonne Terre		0.058	0.036	0.045	0.034	0.035	0.036	0.041	0.026	0.037
<b><i>Southeast</i></b>	0.057									
Farrar		0.057	0.031	0.041	0.037	0.035	0.037	0.036	0.023	0.036
<b><i>Kansas City</i></b>	<b>0.073</b>									
Liberty		<b>0.073</b>	0.040	0.047	0.043	0.033	0.033	0.044	0.026	0.025
RG South		0.062	0.040	0.044	0.042	0.033	0.026	0.042	0.031	0.023
Rocky Creek		0.065	0.039	0.048	0.044	0.032	0.035	0.046	0.029	0.026
Trimble		0.066	0.039	0.047	0.043	0.030	0.035	0.044	0.027	0.025
Watkins Mill		0.066	0.040	0.047	0.042	0.032	0.032	0.043	0.027	0.024
<b><i>Springfield</i></b>	0.059									
Fellows Lake		0.059	0.041	0.045	0.047	0.036	0.023	0.040	0.037	0.037
Hillcrest H.S.		0.055	0.028	0.032	0.034	0.025	0.016	0.028	0.022	0.021
<b><i>Outstate</i></b>	0.062									
Alba		0.059	0.044	0.053	0.046	0.037	0.027	0.034	0.038	0.034
El Dorado Springs		0.058	0.045	0.047	0.046	0.037	0.027	0.041	0.035	0.024
Finger Lakes		0.062	0.040	0.045	0.046	0.035	0.025	0.041	0.027	0.020
Mark Twain*		0.058	0.040	0.042	0.044	0.033	0.026	0.040	0.021	0.023
New Bloomfield		0.059	0.038	0.043	0.043	0.034	0.025	0.043	0.027	0.027
Savannah		0.061	0.039	0.047	0.044	0.030	0.040	0.044	0.030	0.027

<sup>^</sup>All the 2023 data have not been quality assured and the values are preliminary. Do not cite or quote.

\*Year-round ozone monitoring. Blair Street is an Ncore and a PAMS site.

Averages in red or bold recorded from the primary monitor and exceed the 2015 standard.

Averages in green recorded from the secondary monitor, primary monitor inoperative at that time.

Averages in green and bold recorded from the secondary monitor and exceed the standard.

The 'm' code is a placeholder for missing data on the primary and secondary monitors.

Cont.

### Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	9-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar	19-Mar
<b><u>St. Louis</u></b>											
Arnold West	0.035	0.041	0.046	0.049	0.047	0.035	0.039	0.044	0.038	0.036	0.044
Blair Street*	0.038	0.041	0.045	0.049	0.044	0.035	0.039	0.045	0.041	0.038	0.044
Foley West	0.041	0.043	0.051	0.052	0.050	0.043	0.042	0.046	0.040	0.039	0.048
Maryland Heights	0.037	0.042	0.049	0.053	0.051	0.040	0.041	0.045	0.039	0.038	0.045
Orchard Farm	0.039	0.043	0.050	0.051	0.049	0.043	0.041	0.045	0.040	0.039	0.045
Pacific	0.039	0.043	0.048	0.052	0.047	0.039	0.044	0.046	0.042	0.039	0.047
West Alton	0.039	0.043	0.051	0.054	0.050	0.044	0.043	0.046	0.041	0.039	0.046
<b><u>Ste. Genevieve</u></b>											
Bonne Terre	0.040	0.044	0.050	0.054	0.053	0.043	0.045	0.048	0.044	0.041	0.048
<b><u>Southeast</u></b>											
Farrar	0.037	0.043	0.045	0.049	0.048	0.038	0.043	0.045	0.043	0.040	0.043
<b><u>Kansas City</u></b>											
Liberty	0.042	0.046	0.051	0.050	0.052	0.047	0.043	0.042	0.040	0.038	0.044
RG South	0.041	0.046	0.050	0.047	0.043	0.040	0.043	0.042	0.040	0.038	0.043
Rocky Creek	0.042	0.046	0.049	0.051	0.053	0.048	0.044	0.042	0.040	0.038	0.047
Trimble	0.042	0.048	0.049	0.052	0.051	0.046	0.044	0.043	0.039	0.039	0.046
Watkins Mill	0.041	0.045	0.050	0.049	0.049	0.045	0.042	0.042	0.038	0.037	0.044
<b><u>Springfield</u></b>											
Fellows Lake	0.042	0.047	0.051	0.054	0.051	0.040	0.044	0.050	0.045	0.040	0.052
Hillcrest H.S.	0.031	0.034	0.035	0.039	0.035	0.025	0.033	0.035	0.034	0.030	0.034
<b><u>Outstate</u></b>											
Alba	0.040	0.047	0.051	0.050	0.045	0.039	0.044	0.050	0.043	0.041	0.056
El Dorado Springs	0.042	0.046	0.051	0.050	0.044	0.037	0.043	0.047	0.044	0.04	0.055
Finger Lakes	0.039	0.043	0.049	0.054	0.048	0.041	0.041	0.044	0.038	0.036	0.046
Mark Twain*	0.039	0.042	0.047	0.051	0.049	0.039	0.041	0.041	0.036	0.036	0.043
New Bloomfield	0.039	0.043	0.048	0.051	0.047	0.039	0.040	0.044	0.040	0.036	0.046
Savannah	0.042	0.046	0.049	0.050	0.047	0.043	0.042	0.042	0.038	0.038	0.045

Cont.

## Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar
<b><i>St. Louis</i></b>											
Arnold West	0.039	0.041	0.038	0.041	0.047	0.038	0.031	0.040	0.049	0.050	0.048
Blair Street*	0.039	0.035	0.034	0.038	0.041	0.037	0.031	0.039	0.048	0.050	0.049
Foley West	0.044	0.043	0.039	0.043	0.048	0.042	0.033	0.039	0.052	0.054	0.054
Maryland Heights	0.041	0.040	0.039	0.041	0.047	0.039	0.032	0.040	0.050	0.051	0.052
Orchard Farm	0.042	0.042	0.040	0.042	0.046	0.039	0.033	0.039	0.050	0.052	0.055
Pacific	0.043	0.044	0.044	0.044	0.049	0.042	0.032	0.041	0.051	0.053	0.050
West Alton	0.044	0.042	0.043	0.043	0.046	0.043	0.035	0.041	0.053	0.055	0.055
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.043	0.046	0.049	0.043	0.051	0.036	0.036	0.041	0.054	0.054	0.052
<b><i>Southeast</i></b>											
Farrar	0.043	0.046	0.043	0.038	0.048	0.043	0.037	0.043	0.047	0.051	0.051
<b><i>Kansas City</i></b>											
Liberty	0.043	0.046	0.038	0.041	0.041	0.043	0.033	0.043	0.050	0.055	0.046
RG South	0.043	0.045	0.036	0.038	0.04	0.042	0.031	0.045	0.049	0.053	0.052
Rocky Creek	0.042	0.046	0.037	0.041	0.041	0.043	0.032	0.043	0.048	0.055	0.046
Trimble	0.041	0.046	0.037	0.041	0.041	0.043	0.033	0.043	0.047	0.055	0.046
Watkins Mill	0.042	0.045	0.036	0.041	0.042	0.043	0.032	0.042	0.050	0.054	0.045
<b><i>Springfield</i></b>											
Fellows Lake	0.049	0.048	0.046	0.041	0.048	0.044	0.033	0.046	0.056	0.058	0.049
Hillcrest H.S.	0.037	0.033	0.033	0.030	0.034	0.029	0.022	0.032	0.037	0.042	0.031
<b><i>Outstate</i></b>											
Alba	0.052	0.046	0.040	0.040	0.047	0.045	0.035	0.046	0.056	0.055	0.046
El Dorado Springs	0.043	0.048	0.039	0.039	0.043	0.043	0.034	0.046	0.051	0.054	0.044
Finger Lakes	0.042	0.043	0.035	0.041	0.049	0.043	0.030	0.041	0.055	0.057	0.049
Mark Twain*	0.043	0.043	0.033	0.040	0.045	0.040	0.031	0.039	0.052	0.053	0.044
New Bloomfield	0.043	0.044	0.039	0.041	0.049	0.042	0.030	0.041	0.053	0.056	0.053
Savannah	0.042	0.046	0.036	0.041	0.039	0.041	0.032	0.044	0.052	0.053	0.048



Cont.

## Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	10-Apr
<b><i>St. Louis</i></b>											
Arnold West	0.043	0.035	0.032	0.036	0.034	0.038	0.044	0.056	0.052	0.044	0.038
Blair Street*	0.042	0.032	0.034	0.040	0.037	0.035	0.044	0.044	0.052	0.042	0.039
Foley West	0.048	0.033	0.037	0.042	0.039	0.039	0.049	0.058	0.056	0.043	0.042
Maryland Heights	0.046	0.034	0.034	0.039	0.037	0.038	0.047	0.056	0.054	0.042	0.041
Orchard Farm	0.046	0.035	0.035	0.042	0.039	0.038	0.049	0.053	0.054	0.041	0.041
Pacific	0.047	0.037	0.032	0.038	0.039	0.041	0.047	0.053	0.054	0.045	0.043
West Alton	0.046	0.037	0.038	0.041	0.039	0.039	0.050	0.052	0.057	0.043	0.046
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.046	0.039	0.035	0.041	0.042	0.043	0.048	0.058	0.057	0.047	0.044
<b><i>Southeast</i></b>											
Farrar	0.043	0.037	0.035	0.038	0.038	0.039	0.048	0.051	0.055	0.045	0.040
<b><i>Kansas City</i></b>											
Liberty	0.039	0.028	0.038	0.045	0.048	0.046	0.043	0.044	0.043	0.051	0.051
RG South	0.038	0.027	0.037	0.043	0.047	0.046	0.046	0.044	0.044	0.050	0.048
Rocky Creek	0.040	0.027	0.038	0.045	0.048	0.047	0.045	0.043	0.041	0.052	0.050
Trimble	0.039	0.027	0.038	0.045	0.048	0.045	0.045	0.043	0.042	0.051	0.049
Watkins Mill	0.039	0.027	0.036	0.044	0.046	0.044	0.043	0.043	0.043	0.049	0.050
<b><i>Springfield</i></b>											
Fellows Lake	0.041	0.034	0.030	0.044	0.050	0.050	0.049	0.056	0.057	0.048	0.048
Hillcrest H.S.	0.028	0.021	0.019	0.030	0.036	0.037	0.036	0.040	0.040	0.034	0.037
<b><i>Outstate</i></b>											
Alba	0.040	0.035	0.033	0.044	0.049	0.052	0.053	0.056	0.058	0.043	0.044
El Dorado Springs	0.039	0.031	0.034	0.043	0.049	0.050	0.048	0.051	0.056	0.044	0.040
Finger Lakes	0.042	0.024	0.033	0.043	0.041	0.041	0.045	0.053	0.052	0.045	0.047
Mark Twain*	0.042	0.027	0.036	0.040	0.038	0.040	0.046	0.051	0.049	0.045	0.049
New Bloomfield	0.042	0.029	0.036	0.043	0.041	0.040	0.044	0.054	0.051	0.044	0.039
Savannah	0.038	0.029	0.039	0.044	0.046	0.044	0.043	0.041	0.042	0.050	0.050

Cont.

### Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	11-Apr	12-Apr	13-Apr	14-Apr	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
<b><i>St. Louis</i></b>											
Arnold West	0.041	0.045	0.052	0.053	0.061	0.061	0.041	0.047	0.039	0.044	0.040
Blair Street*	0.044	0.045	0.051	0.054	0.056	0.056	0.041	0.049	0.038	0.043	0.042
Foley West	0.046	0.048	0.060	0.057	0.062	0.062	0.040	0.049	0.042	0.047	0.043
Maryland Heights	0.044	0.046	0.055	0.056	0.065	0.065	0.043	0.049	0.042	0.044	0.042
Orchard Farm	0.045	0.047	0.058	0.057	0.062	0.062	0.044	0.049	0.044	0.046	0.043
Pacific	0.045	0.048	0.057	0.057	0.066	0.043	0.051	0.042	0.047	0.044	0.049
West Alton	0.046	0.047	0.058	0.060	0.063	0.047	0.049	0.045	0.046	0.044	0.050
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.047	0.050	0.058	0.055	0.054	0.054	0.045	0.051	0.042	0.049	0.044
<b><i>Southeast</i></b>											
Farrar	0.046	0.047	0.057	0.054	0.052	0.052	0.045	0.048	0.041	0.045	0.044
<b><i>Kansas City</i></b>											
Liberty	0.047	0.051	0.061	<b>0.073</b>	0.050	0.050	0.063	0.052	0.035	0.048	0.046
RG South	0.047	0.054	0.058	0.056	0.043	0.043	0.062	0.052	0.034	0.049	0.046
Rocky Creek	0.047	0.050	0.060	0.063	0.050	0.050	0.062	0.052	0.036	0.047	0.046
Trimble	0.047	0.052	0.061	0.062	0.052	0.052	0.062	0.050	0.037	0.048	0.046
Watkins Mill	0.046	0.050	0.060	0.066	0.052	0.052	0.061	0.050	0.033	0.046	0.044
<b><i>Springfield</i></b>											
Fellows Lake	0.049	0.052	0.059	0.055	0.048	0.048	0.050	0.053	0.041	0.049	0.044
Hillcrest H.S.	0.035	0.038	0.042	0.038	0.033	0.033	0.035	0.037	0.028	0.036	0.035
<b><i>Outstate</i></b>											
Alba	0.048	0.051	0.059	0.052	0.048	0.048	0.059	0.052	0.036	0.047	0.043
El Dorado Springs	0.048	0.051	0.058	0.052	0.045	0.046	0.058	0.051	0.033	0.047	0.043
Finger Lakes	0.045	0.049	0.059	0.056	0.062	0.062	0.046	0.049	0.037	0.045	0.043
Mark Twain*	0.043	0.046	0.056	0.053	0.058	0.058	0.037	0.042	0.030	0.043	0.039
New Bloomfield	0.045	0.048	0.057	0.055	0.055	0.055	0.040	0.052	0.038	0.046	0.043
Savannah	0.046	0.052	0.060	0.059	0.053	0.053	0.061	0.050	0.036	0.048	0.046

Cont.

## Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	1-May	2-May
<b><i>St. Louis</i></b>											
Arnold West	0.045	0.042	0.045	0.039	0.037	0.042	0.042	0.043	0.043	0.048	0.044
Blair Street*	0.049	0.040	0.040	0.039	0.037	0.041	0.044	0.046	0.047	0.041	0.046
Foley West	0.050	0.044	0.048	0.046	0.041	0.043	0.053	0.050	0.049	0.049	0.048
Maryland Heights	0.047	0.044	0.045	0.043	0.040	0.044	0.049	0.048	0.047	0.049	0.048
Orchard Farm	0.050	0.042	0.045	0.046	0.044	0.045	0.054	0.054	0.052	0.050	0.051
Pacific	0.055	0.042	0.049	0.042	0.038	0.043	0.044	0.043	0.046	0.050	0.048
West Alton	0.056	0.045	0.045	0.047	0.046	0.048	0.054	0.056	0.054	0.050	0.054
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.050	0.046	0.054	0.042	0.045	0.045	0.043	0.039	0.047	0.054	0.049
<b><i>Southeast</i></b>											
Farrar	0.049	0.047	0.048	0.042	0.046	0.042	0.042	0.037	0.052	0.054	0.054
<b><i>Kansas City</i></b>											
Liberty	0.053	0.055	0.055	0.039	0.036	0.046	0.045	0.042	0.051	0.048	0.038
RG South	0.051	0.054	0.055	0.042	0.035	0.043	0.043	0.041	0.048	0.049	0.043
Rocky Creek	0.052	0.055	0.057	0.038	0.037	0.044	0.045	0.041	0.051	0.048	0.036
Trimble	0.054	0.054	0.055	0.040	0.038	0.047	0.045	0.043	0.053	0.047	0.036
Watkins Mill	0.052	0.053	0.052	0.037	0.035	0.042	0.043	0.040	0.050	0.047	0.034
<b><i>Springfield</i></b>											
Fellows Lake	0.052	0.051	0.054	0.042	0.038	0.043	0.047	0.045	0.047	0.056	0.046
Hillcrest H.S.	0.041	0.037	0.039	0.027	0.025	0.027	0.029	0.031	0.032	0.037	0.030
<b><i>Outstate</i></b>											
Alba	0.050	0.050	0.055	0.037	0.038	0.041	0.042	0.045	0.051	0.056	0.044
El Dorado Springs	0.050	0.047	0.051	0.041	0.034	0.040	0.041	0.044	0.049	0.053	0.039
Finger Lakes	0.048	0.042	0.050	0.044	0.040	0.039	0.042	0.040	0.047	0.048	0.041
Mark Twain*	0.047	0.042	0.045	0.044	0.035	0.039	0.045	0.040	0.044	0.048	0.043
New Bloomfield	0.048	0.039	0.051	0.042	0.038	0.037	0.059	0.042	0.046	0.049	0.048
Savannah	0.053	0.052	0.052	0.039	0.040	0.042	0.045	0.039	0.053	0.045	0.042

Cont.

## Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	12-May	13-May
<b><i>St. Louis</i></b>											
Arnold West	0.048	0.045	0.041	0.038	0.045	0.035	0.047	0.041	0.050	0.049	0.038
Blair Street*	0.046	0.049	0.042	0.041	0.044	0.033	0.051	0.044	0.053	0.053	0.039
Foley West	0.047	0.048	0.041	0.043	0.050	0.042	0.054	0.045	0.053	0.056	0.043
Maryland Heights	0.043	0.046	0.044	0.040	0.048	0.039	0.051	0.044	0.052	0.052	0.042
Orchard Farm	0.048	0.053	0.043	0.046	0.049	0.043	0.053	0.045	0.053	0.056	0.045
Pacific	0.048	0.045	0.043	0.040	0.045	0.038	0.051	0.044	0.054	0.050	0.040
West Alton	0.050	0.055	0.044	0.049	0.049	0.045	0.053	0.045	0.055	0.059	0.046
<b><i>Ste. Genevieve</i></b>											
Bonne Terre	0.050	0.048	0.040	0.041	0.041	0.046	0.048	0.046	0.055	0.051	0.044
<b><i>Southeast</i></b>											
Farrar	0.042	0.049	0.037	0.043	0.037	0.041	0.047	0.047	0.057	0.057	0.044
<b><i>Kansas City</i></b>											
Liberty	0.049	0.040	0.040	0.048	0.048	0.048	0.056	0.047	0.057	0.056	0.047
RG South	0.047	0.040	0.034	0.047	0.044	0.050	0.052	0.046	0.055	0.052	0.050
Rocky Creek	0.049	0.042	0.040	0.050	0.047	0.051	0.055	0.046	0.056	0.057	0.047
Trimble	0.049	0.042	0.040	0.049	0.048	0.049	0.057	0.048	0.057	0.057	0.046
Watkins Mill	0.047	0.039	0.037	0.045	0.046	0.044	0.053	0.045	0.055	0.055	0.040
<b><i>Springfield</i></b>											
Fellows Lake	0.046	0.057	0.031	0.049	0.055	0.041	0.046	0.049	0.054	0.052	0.051
Hillcrest H.S.	0.031	0.038	0.018	0.032	0.036	0.025	0.031	0.034	0.038	0.036	0.032
<b><i>Outstate</i></b>											
Alba	0.046	0.050	0.028	0.035	0.051	0.047	0.045	0.048	0.053	0.052	0.050
El Dorado Springs	0.042	0.046	0.025	0.045	0.049	0.040	0.045	0.047	0.053	0.048	0.051
Finger Lakes	0.047	0.043	0.037	0.044	0.049	0.042	0.052	0.043	0.052	0.052	0.037
Mark Twain*	0.043	0.041	0.038	0.042	0.046	0.040	0.051	0.041	0.049	0.049	0.036
New Bloomfield	0.046	0.047	0.034	0.044	0.048	0.033	0.052	0.045	0.053	0.052	0.038
Savannah	0.047	0.042	0.037	0.047	0.047	0.049	0.053	0.047	0.054	0.052	0.041

Cont.

## Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May
<b><u>St. Louis</u></b>											
Arnold West	0.033	0.046	0.035	0.044	0.046	0.045	0.045	0.048	0.040	0.038	0.047
Blair Street*	0.033	0.034	0.041	0.047	0.057	0.052	0.050	0.049	0.042	0.044	0.049
Foley West	0.044	0.044	0.042	0.054	0.048	0.051	0.047	0.050	0.045	0.059	0.045
Maryland Heights	0.038	0.045	0.040	0.055	0.057	0.046	0.047	0.049	0.040	0.050	0.049
Orchard Farm	0.042	0.047	0.047	0.056	0.057	0.051	0.051	0.051	0.043	0.062	0.053
Pacific	0.044	0.045	0.038	0.049	0.049	0.042	0.043	0.050	0.041	0.044	0.044
West Alton	0.038	0.048	0.048	0.059	0.066	0.060	0.057	0.054	0.045	0.057	0.056
<b><u>Ste. Genevieve</u></b>											
Bonne Terre	0.041	0.048	0.036	0.038	0.048	0.044	0.046	0.053	0.047	0.040	0.051
<b><u>Southeast</u></b>											
Farrar	0.038	0.048	0.044	0.052	0.051	0.055	0.052	0.055	0.048	0.044	0.056
<b><u>Kansas City</u></b>											
Liberty	0.045	0.036	0.048	0.058	0.062	0.053	0.065	0.046	0.052	0.048	0.051
RG South	0.046	0.036	0.055	0.053	0.053	0.053	0.051	0.043	0.055	0.044	0.049
Rocky Creek	0.045	0.035	0.047	0.065	0.063	0.058	0.065	0.048	0.055	0.054	0.050
Trimble	0.045	0.036	0.050	0.066	0.062	0.057	0.064	0.049	0.052	0.052	0.051
Watkins Mill	0.038	0.033	0.043	0.056	0.060	0.051	0.065	0.044	0.047	0.047	0.047
<b><u>Springfield</u></b>											
Fellows Lake	0.041	0.041	0.047	0.056	0.057	0.047	0.056	0.046	0.043	0.048	0.045
Hillcrest H.S.	0.030	0.029	0.027	0.038	0.037	0.031	0.036	0.031	0.032	0.033	0.029
<b><u>Outstate</u></b>											
Alba	0.049	0.038	0.048	0.054	0.056	0.056	0.053	0.044	0.045	0.045	0.043
El Dorado Springs	0.044	0.035	0.046	0.050	0.051	0.050	0.057	0.045	0.036	0.046	0.045
Finger Lakes	0.037	0.038	0.045	0.052	0.048	0.051	0.059	0.044	0.048	0.045	0.042
Mark Twain*	0.031	0.037	0.039	0.045	0.045	0.046	0.051	0.041	0.048	0.046	0.035
New Bloomfield	0.044	0.042	0.045	0.050	0.048	0.049	0.056	0.044	0.044	0.040	0.040
Savannah	0.044	0.032	0.050	0.056	0.057	0.055	0.056	0.046	0.051	0.053	0.048

Cont.

## Daily 2024 Maximum Average Eight-Hour Concentration of Ground-Level Ozone in Parts per Million

Ozone Season is from March 1 to October 31

	25-May	26-May	27-May	28-May	29-May	30-May	31-May	1-Jun	2-Jun	3-Jun	4-Jun
<b><u>St. Louis</u></b>											
Arnold West	0.051	0.046	0.045	0.048	0.048	0.052	0.049	0.034	0.053	0.041	0.039
Blair Street*	0.052	0.051	0.048	0.051	0.044	0.053	0.047	0.038	0.056	0.047	0.042
Foley West	0.049	0.052	0.047	0.051	0.044	0.060	0.059	0.034	0.050	0.046	0.044
Maryland Heights	0.055	0.050	0.047	0.051	0.044	0.058	0.054	0.036	0.055	0.045	0.042
Orchard Farm	0.053	0.055	0.048	0.050	0.044	0.060	0.057	0.038	0.051	0.050	0.049
Pacific	0.053	0.047	0.046	0.052	0.045	0.054	0.050	0.036	0.054	0.042	0.039
West Alton	0.052	0.056	0.049	0.049	0.044	0.059	0.057	0.041	0.052	0.056	0.051
<b><u>Ste. Genevieve</u></b>											
Bonne Terre	0.050	0.048	0.049	0.052	0.053	0.051	0.049	0.038	0.052	0.043	0.042
<b><u>Southeast</u></b>											
Farrar	0.046	0.050	0.005	0.053	0.048	0.050	0.051	0.038	0.054	0.049	0.048
<b><u>Kansas City</u></b>											
Liberty	0.051	0.055	0.051	0.052	0.052	0.047	0.044	0.050	0.042	0.052	0.058
RG South	0.043	0.055	0.050	0.051	0.051	0.048	0.037	0.045	0.042	0.049	0.042
Rocky Creek	0.051	0.055	0.052	0.051	0.053	0.050	0.040	0.036	0.035	0.056	0.059
Trimble	0.051	0.056	0.053	m	m	m	0.041	0.050	0.043	0.052	0.056
Watkins Mill	0.047	0.052	0.048	0.050	0.051	0.046	0.041	0.048	0.041	0.049	0.056
<b><u>Springfield</u></b>											
Fellows Lake	0.041	0.047	0.052	0.047	0.045	0.051	0.048	0.042	0.045	0.037	0.043
Hillcrest H.S.	0.029	0.032	0.021	0.033	0.033	0.035	0.032	0.028	0.032	0.023	0.031
<b><u>Outstate</u></b>											
Alba	0.042	0.044	0.054	0.048	0.050	0.046	0.043	0.045	0.041	0.036	0.049
El Dorado Springs	0.046	0.047	0.050	0.045	0.046	0.047	0.039	0.043	0.041	0.042	0.043
Finger Lakes	0.045	0.047	0.045	0.050	0.046	0.051	0.054	0.034	0.045	0.036	0.037
Mark Twain*	0.041	0.050	0.043	0.046	0.042	0.048	0.054	0.035	0.046	0.036	0.034
New Bloomfield	0.041	0.049	0.048	0.053	0.049	0.047	0.045	0.040	0.043	0.037	0.035
Savannah	0.048	0.055	0.052	0.053	0.050	0.048	0.041	0.053	0.046	0.053	0.050

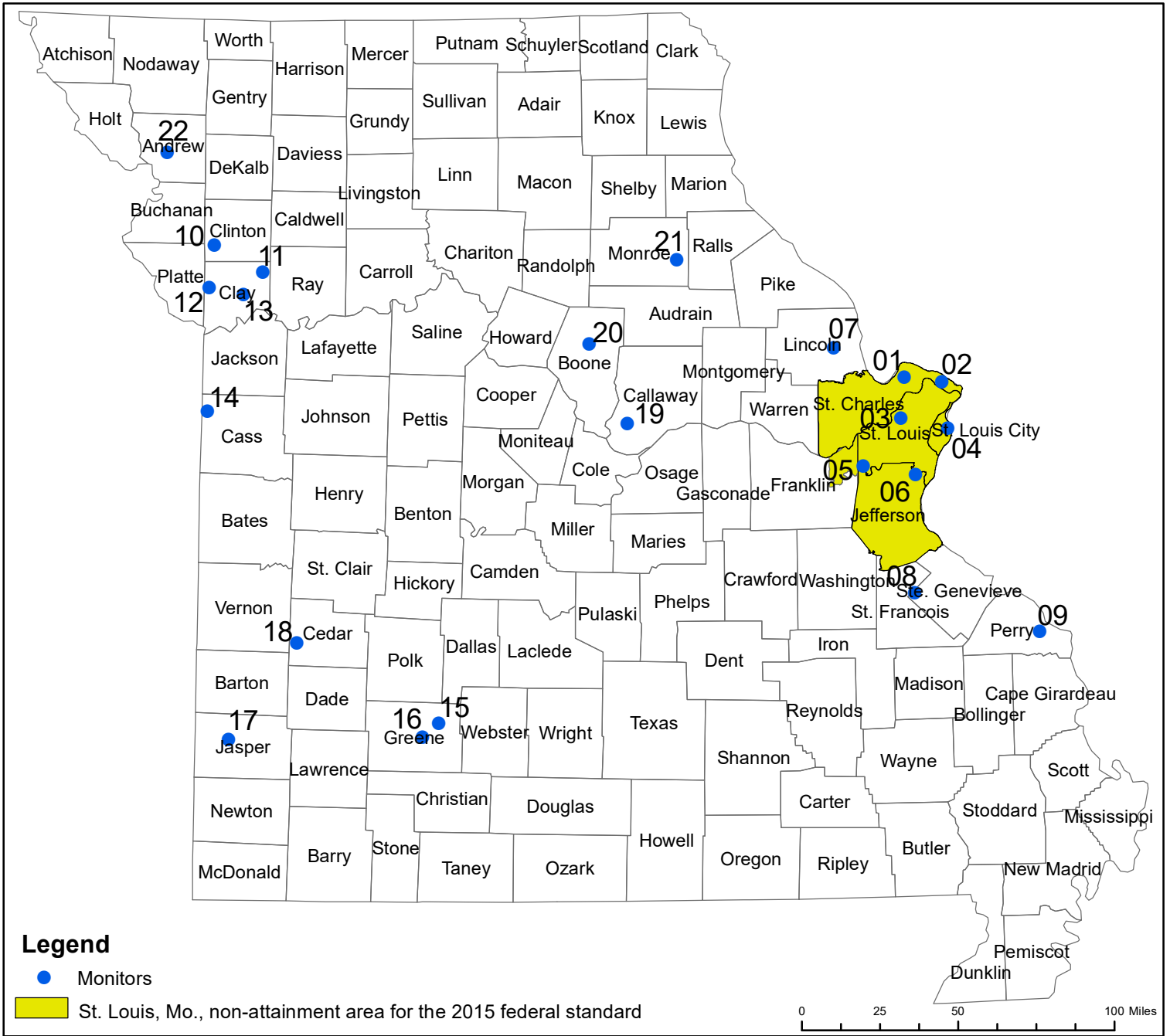
Cont.

**Daily 2024 Maximum Average Eight-Hour Concentration  
of Ground-Level Ozone in Parts per Million**

Ozone Season is from March 1 to October 31

	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun
<b><u>St. Louis</u></b>											
Arnold West	0.041	0.048	0.053	0.034	0.044						
Blair Street*	0.046	0.051	0.056	0.042	0.048						
Foley West	0.043	0.049	0.054	0.038	0.048						
Maryland Heights	0.046	0.050	0.055	0.039	0.047						
Orchard Farm	0.046	0.050	0.054	0.044	0.048						
Pacific	0.044	0.052	0.053	0.035	0.042						
West Alton	0.044	0.050	0.052	0.045	0.046						
<b><u>Ste. Genevieve</u></b>											
Bonne Terre	0.043	0.052	0.051	0.035	0.041						
<b><u>Southeast</u></b>											
Farrar	0.036	0.054	0.054	0.048	0.040						
<b><u>Kansas City</u></b>											
Liberty	0.050	0.052	0.063	0.055	0.053						
RG South	0.052	0.051	0.050	0.051	0.052						
Rocky Creek	0.050	0.051	0.062	0.050	0.052						
Trimble	0.046	0.050	0.059	0.048	0.051						
Watkins Mill	0.044	0.049	0.062	0.048	0.050						
<b><u>Springfield</u></b>											
Fellows Lake	0.044	0.039	0.054	0.049	0.042						
Hillcrest H.S.	0.040	0.035	0.055	0.043	0.039						
<b><u>Outstate</u></b>											
Alba	0.050	0.042	0.050	0.052	0.039						
El Dorado Springs	0.051	0.046	0.048	0.047	0.039						
Finger Lakes	0.044	0.046	0.054	0.038	0.045						
Mark Twain*	0.043	0.045	0.052	0.041	0.048						
New Bloomfield	0.046	0.049	0.053	0.038	0.043						
Savannah	0.045	0.052	0.054	0.046	0.043						

# Missouri Ozone (O3) Monitoring Network, 2024



## Legend

- Monitors
- St. Louis, Mo., non-attainment area for the 2015 federal standard



### St. Louis Area

- 01 Orchard Farm
- 02 West Alton
- 03 Maryland Heights
- 04 Blair Street\*\*
- 05 Pacific
- 06 Arnold West
- 07 Foley West

### Ste. Genevieve Area

- 08 Bonne Terre

### Southeast Area

- 09 Farrar

### Kansas City Area

- 10 Trimble
- 11 Watkins Mill State Park
- 12 Rocky Creek
- 13 Liberty
- 14 Richards Gebaur-South

### Springfield Area

- 15 Fellows Lake
- 16 Hillcrest High School

### Outstate Area

- 17 Alba
- 18 El Dorado Springs
- 19 New Bloomfield
- 20 Finger Lakes State Park
- 21 Mark Twain State Park\*\*
- 22 Savannah



\*\*Year-round ozone monitoring  
Ozone season: March 1 to October 31

