



Air Quality Analysis for Carbon Monoxide (CO)

The following information is for the CO ambient air monitors operated by the state. Data from these monitors are uploaded to the U.S. Environmental Protection Agency (EPA) Air Quality System database, which constitutes the official record of air quality data.

EPA first promulgated the CO National Ambient Air Quality Standards (NAAQS) in 1971 by setting the eight-hour primary standard at 9 parts per million (ppm) and the one-hour primary standard at 35 ppm for protection of both public health and welfare. In its review of the standard, in 1985, EPA revoked the secondary standards (for public welfare) due to a lack of evidence of adverse effects on public welfare at or near ambient concentrations. The last reviews of the CO NAAQS were completed in 1994 and 2011, and the agency retained the standard. However, the 2011 review included new provisions for states to collocate one CO monitor with a “near-road” monitor in urban areas having a population of 1 million or more. The CO monitors at Forest Park and Blue Ridge meet this minimum requirement (see map below).

The monitoring information provided in the tables below highlights statewide air pollutant levels. No site in the state has monitored a violation of the CO standard since 1978 when the area including the city of St. Louis and the portion of St. Louis County encompassed by Interstate 270 was originally designated nonattainment for the eight-hour CO NAAQS. The area now is in attainment of the CO NAAQS, and it is subject to a limited CO maintenance plan.

For more information about CO, see the following EPA website, which includes links to additional information on health effects, standards, implementation and other material:

<https://www.epa.gov/co-pollution>

Carbon Monoxide (CO) Concentrations, 2015- 2018, parts per million (ppm)

Updated 01/14/2019

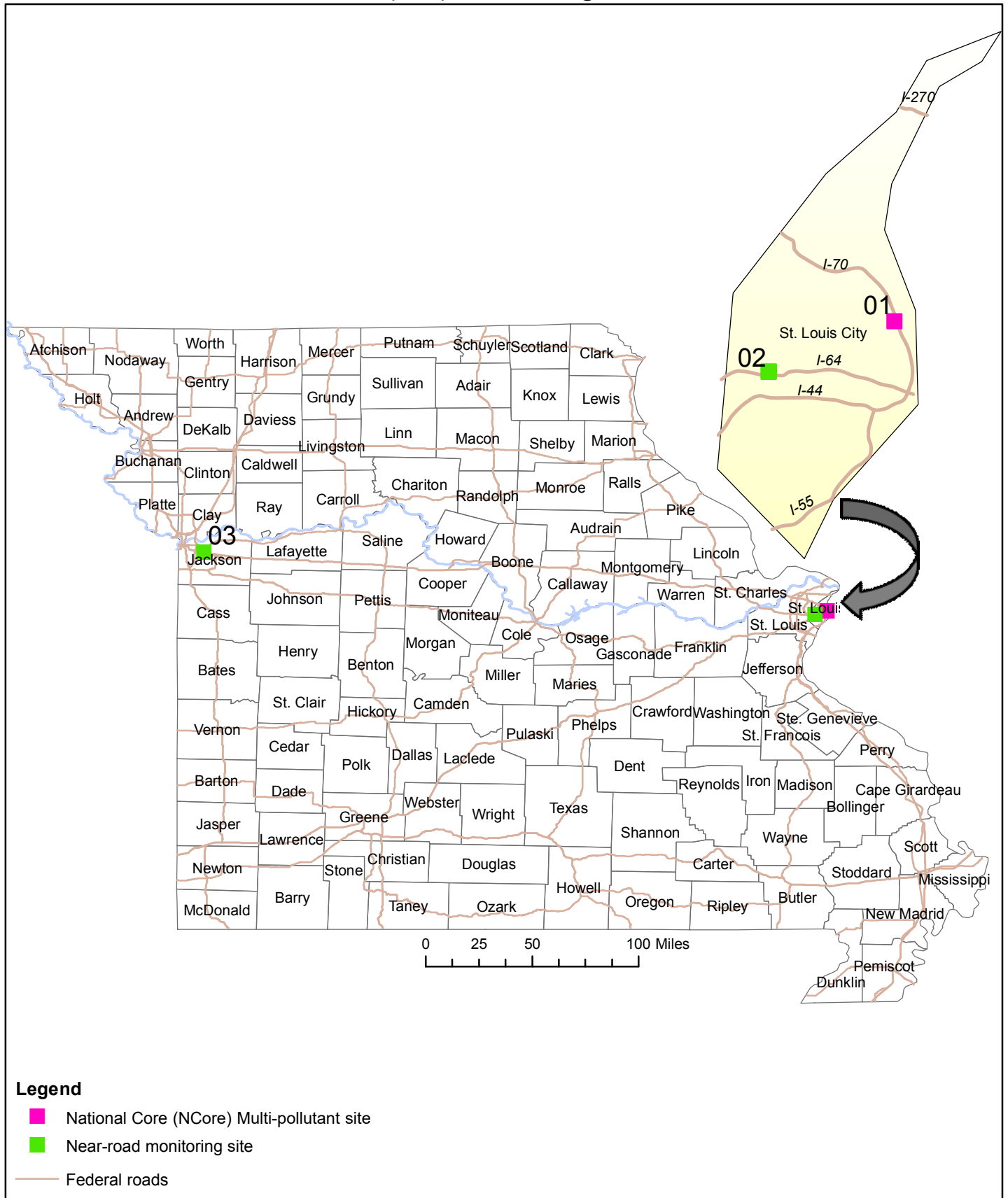
		1-hour CO Concentrations ^a													
		1-hour Standard = 35 ppm ^b													
		2 nd Maximum 1-hour Averages													
		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
St. Louis, MO															
01 Blair Street*		2.6	3.7	2.5	3.8	4.7	2.2	1.9	1.8	1.7	1.9	1.7	2.4	2.0	1.5
02 Forest Park, I-64**		-	-	-	-	-	-	-	-	1.4	1.4	1.6	2.2	1.5	1.3
Kansas City, MO															
03 Blue Ridge, I-70**		-	-	-	-	-	-	-	-	1.6	1.5	1.3	1.4	1.6	1.4

Site numbers correspond to the map legend
^aQuality assured data through September 30, 2018
^bMaximum, not to be exceeded more than once in a year
 *National Core (NCore) Multi-pollutant site
 **Near-Road site, began monitoring in 2013

		8-hour CO Concentrations ^a													
		8-hour Standard = 9 ppm ^b													
		2 nd Maximum 8-hour Averages													
		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
St. Louis															
01 Blair Street*		2.2	1.9	1.4	2.6	1.3	1.7	1.4	1.1	1.0	1.0	1.4	1.5	1.4	1.0
02 Forest Park**		-	-	-	-	-	-	-	-	1.0	0.9	1.2	1.4	1.0	0.9
Kansas City															
03 Blue Ridge, I-70**		-	-	-	-	-	-	-	-	1.0	1.1	1.0	1.0	1.1	0.9

Site numbers correspond to the map legend
^aQuality assured data through September 30, 2018
^bMaximum, not to be exceeded more than once in a year
 *National Core (NCore) Multi-pollutant site
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Missouri's Carbon Monoxide (CO) Monitoring Network, 2019



Site# SiteName

- 01 Blair Street
- 02 Forest Park, I-64
- 03 Blue Ridge, I-70



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