

Louisville Metro Air Pollution Control District
PM_{2.5} Monitoring Report
March 2014

This report summarizes PM_{2.5} data collected by our continuous (AQI) instruments. Measurements are reported as 24-hour averages in micro-grams per cubic meter (µg/m³). The data are subject to further quality assurance checks and are not final. Data from Federal Reference Method (FRM) samplers for February has not yet been received by the lab.

PM_{2.5} Monthly Data Summary for February 2014

Date	Cannons Lane	Southwick	Watson Lane
2/1/2014	7.3	14.6	9.4
2/2/2014	12.5	12.0	11.1
2/3/2014	21.1	22.0	25.5
2/4/2014	21.0	21.3	25.8
2/5/2014	13.2	15.2	12.9
2/6/2014	12.7	14.4	12.8
2/7/2014	11.6	14.5	16.6
2/8/2014	17.7	19.5	18.2
2/9/2014	20.5	21.7	20.9
2/10/2014	22.9	25.8	23.0
2/11/2014	24.1	23.9	26.3
2/12/2014	24.0	27.3	28.6
2/13/2014	26.3	28.0	28.2
2/14/2014	21.9	22.5	17.9
2/15/2014	22.0	21.6	19.7
2/16/2014	22.7	23.4	22.3
2/17/2014	17.7	19.7	17.6
2/18/2014	9.2	8.8	7.1
2/19/2014	7.5	7.9	10.1
2/20/2014	7.1	9.7	8.3
2/21/2014	3.4	3.6	6.3
2/22/2014	5.1	6.4	10.5
2/23/2014	5.5	7.4	7.5
2/24/2014	3.3	4.6	5.3
2/25/2014	5.7	7.3	7.4
2/26/2014	7.6	9.1	8.3
2/27/2014	9.2	10.2	12.9
2/28/2014	7.9	11.6	10.3

**Louisville Metro Air Pollution Control District
Air Monitoring Report for Sulfur Dioxide (SO₂)
March 2014**

On June 2, 2010, EPA strengthened the primary National Ambient Air Quality Standard for SO₂. Specifically, EPA replaced the existing annual (30 ppb) and 24-hour (140 ppb) primary standards with a new 1-hour standard set at 75 ppb. The 1-hour standard was set to better protect public health by reducing exposure to high short-term concentrations of SO₂. The new standard took effect August 23, 2010.

Exceedances of the 1-Hour SO₂ Standard:

An exceedance occurs when a measured 1-hour average is greater than 75 ppb. Since up to twenty-four 1-hour averages are recorded each day, multiple exceedances may occur in one day. However, only the maximum 1-hour average (Daily Max) for each day is used in determining if the area is in compliance with the standard. The table below indicates the number of exceedances and the daily maximums reported thus far this year. The data are subject to further quality assurance checks and are not final.

SO₂ Daily Maximums and Exceedances 2014 through February 28th

Date	Fire Arms Training		Watson Lane Elementary		Cannons Lane NCore		New Albany Indiana	
	Exceeds	Daily Max	Exceeds	Daily Max	Exceeds	Daily Max	Exceeds	Daily Max
01/12/14		21.2		8.3		21.1		24.2
01/13/14		31.6		2.3		1.2		11.1
01/29/14		4.0		51.7		8.5		4.6
01/31/14		1.8		2.0		0.8		43.8
02/11/14		11.7		21.9		36.3		12.4
02/13/14		50.8		69.9		23.9		18.8
02/19/14		6.0		7.7		8.4		25.3
02/22/14		20.3		79.1		16.7		12.3
Totals/Max		31.6		51.7		21.1		43.8
99 th Percentile		31.6		51.7		21.1		43.8

"-" Indicates no data was available.