

Union County 2009 Air Monitoring Data Summary

The following is a comparison of the Union County air monitoring concentrations collected from January 1, 2009 to December 31, 2009 to the federal primary and secondary National Ambient Air Quality Standards. The national primary standard is defined as the level of air quality which the Administrator of EPA judges is necessary, with an adequate margin of safety, to protect the public health. The national secondary standard is defined as the level of air quality which the Administrator of EPA judges is necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

2009 Union County (UC #1)

Pollutant	1-hour		24-hour		Annual		3-hour	
	Concentration	Primary Standard	Concentration	Primary Standard	Concentration	Primary Standard	Concentration	Secondary Standard
PM10	N/A	N/A	*	150 ug/m ³	N/A	N/A	N/A	N/A
SO ₂	N/A	N/A	0.003 ppm	0.140 ppm	0.001 ppm	0.030 ppm	0.007 ppm	0.500 ppm
NO ₂	0.017 ppm	0.100 ppm	N/A	N/A	0.002 ppm	0.053 ppm	N/A	N/A

* Not enough data was collected during the year to compare to the standard.

2009 Union County (UC #2)

Pollutant	1-hour		24-hour		Annual		3-hour	
	Concentration	Primary Standard	Concentration	Primary Standard	Concentration	Primary Standard	Concentration	Secondary Standard
PM10	N/A	N/A	49 ug/m ³	150 ug/m ³	N/A	N/A	N/A	N/A
PM2.5	N/A	N/A	23 ug/m ³	35 ug/m ³	9 ug/m ³	15 ug/m ³	N/A	N/A
SO ₂	N/A	N/A	0.001 ppm	0.140 ppm	0.001 ppm	0.030 ppm	0.004 ppm	0.500 ppm
NO ₂	0.016 ppm	0.100 ppm	N/A	N/A	0.002 ppm	0.053 ppm	N/A	N/A

2009 Union County (UC #3)

Pollutant	8-hour	
	Concentration	Primary Standard
Ozone	0.060 ppm	0.075 ppm

ug/m³ = micrograms per cubic meter

ppm = parts per million