

Background Data

<http://www.iowadnr.gov/InsideDNR/RegulatoryAir/Modeling/DispersionModeling/BackgroundData.aspx#LiveTabsContent317155-It>

The DNR periodically analyzes the monitored concentrations across the state to determine the background value concentrations that should be added to dispersion modeling results for comparison to the National Ambient Air Quality Standards (NAAQS). Both default and time-varying background values are provided below.

Pollutant	Area	Averaging Period	Background Concentration Value ($\mu\text{g}/\text{m}^3$)
NO ₂	Urban*	1-hour Annual	75 15
	Rural*	1-hour Annual	34 5
SO ₂	Statewide	1-hour	32
		3-hour	27
		24-hour	9
		Annual	1
PM _{2.5}	West*	24-hour Annual	24 9.7
	East*	24-hour Annual	29 10.9
PM ₁₀	Statewide	24-hour	53
CO	Statewide	1-hour	1,600
		8-hour	1,000
Pb	Statewide	Rolling 3-month average	0

* Refer to map below for definition of PM_{2.5} background areas.

Background Areas

