

NYS Department of Environmental Conservation - Home - Site Map - SearchDivision of Air ResourcesBureau of Technical Support**Criteria For Pollutant Standards Index (PSI)****Comparison of PSI Values with Pollutant Concentrations, Descriptor Words, Generalized Health Effects, and Cautionary Statements**

(PSI) INDEX VALUE	AMBIENT AIR QUALITY LEVEL	POLLUTANT LEVELS						HEALTH EFFECT DESCRIPT.	GENERAL HEALTH EFFECTS	CAUTIONARY STATEMENT
		PARTICULATES		SO ₂ (24-HR) PPM	CO (8-HR) PPM	OZONE (1-HR) PPM	NO ₂ (1-HR) PPM			
		PM ₁₀ (24-HR) µg/m ³	TSP (24-HR) µg/m ³							
500	Significant Harm	600	1000	1.00	50.0	0.60	2.00	Hazardous	Premature death of ill and elderly. Healthy people will experience adverse symptoms that affect their normal activity.	All persons should remain indoors, keeping window doors closed. All persons minimize physical exertion, avoid traffic.
400	Emergency	500	875	0.80	40.0	0.50	1.60		Premature onset of certain diseases in addition to significant aggravation of symptoms and decreased exercise tolerance in healthy persons.	Elderly and persons with chronic diseases should stay indoors, avoid physical exertion. General population should avoid outdoor activity.
300	Warning	420	625	0.60	30.0	0.40	1.20	Very Unhealthful	Significant aggravation of symptoms and decreased exercise tolerance in persons with heart or lung disease, with widespread symptoms in the healthy population.	Elderly and persons with chronic heart or lung disease should stay indoors and reduce physical activity.
200	Alert	350	375	0.30	15.0	0.20	0.60	Unhealthful	Mild aggravation of symptoms in susceptible persons, with irritation symptoms in the healthy population.	Persons with existing respiratory ailments should reduce physical exertion, avoid outdoor activity.
100	NAAQS	150	260	0.14	9.0	0.12	**	Moderate		
50	50% of NAAQS	*50	*75	*0.03	4.5	0.06	**	Good		

NOTES:

NAAQS - National Ambient Air Quality Standard (Short term, 24 hour avg or less)

* Primary NAAQS (Annual average)

** No index values reported for concentrations below "a

level"

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