



OCT 21 2020

DENR Administrative Order
 No. 2020 - 14

SUBJECT: ESTABLISHING THE BREAKPOINTS FOR PARTICULATE MATTER 2.5 (PM_{2.5}) AIR QUALITY INDEX (AQI) AND AMENDING SECTION 5(a) OF DAO 2013-13 “ESTABLISHING THE PROVISIONAL NATIONAL AMBIENT AIR QUALITY GUIDELINE VALUES FOR PARTICULATE MATTER 2.5 (PM_{2.5})”

Pursuant to DAO 2013-13, otherwise known as the Provisional National Ambient Air Quality Guideline Values for Particulate Matter 2.5 (PM_{2.5}), the following AQI Breakpoints shall describe the six (6) levels of air quality for PM_{2.5} defined as particles 2.5 and less in micrometers in diameter and their cautionary statements for the general public:

Category	Color	RGB Color Code	Hex Color Code	PM _{2.5} (µg/m ³)	Cautionary Statements
				BP _{Lo} - BP _{Hi}	
Good	Green	(0, 228, 0)	#00E400	0 - 25	None
Fair	Yellow	(255, 255, 0)	#FFFF00	25.1 - 35.0	None
Unhealthy for sensitive groups	Orange	(255, 126, 0)	#FF7E00	35.1 - 45.0	People with respiratory disease, such as asthma, should limit outdoor exertion.
Very Unhealthy	Red	(255, 0, 0)	#FF0000	45.1 - 55	Pedestrians should avoid heavy traffic areas. People with heart or respiratory disease, such as asthma, should stay indoors and rest as much as possible. Unnecessary trips should be postponed. People should voluntarily restrict the use of vehicles.
Acutely unhealthy	Purple	(143, 63, 151)	#8F3F97	55.1 - 90	People, should limit outdoor exertion. People with heart or respiratory disease, such as asthma, should stay indoors and rest as much as possible. Unnecessary trips should be postponed. Motor vehicle use may be restricted. Industrial activities may be curtailed.
Emergency	Maroon	(126, 0, 35)	#7E0023	Above 91	Everyone should remain indoors, (keeping windows and doors closed unless heat stress is possible). Motor vehicle use should be prohibited except for emergency situations. Industrial activities, except that which is vital for public safety and health, should be curtailed.

Consistent with the above AQI Breakpoints, the provisional guideline values for PM_{2.5} under DAO 2013-13 is hereby amended as follows:

Pollutant	Short-term ¹		Long-term ²		Implementation Period
	µg/Ncu.m.	Averaging Time	µg/Ncu.m.	Averaging Time	
PM _{2.5}	35 ³	24 hours	25 ³	1 Year	Upon effectivity date of the DAO

All Orders, Circulars and Instructions inconsistent herewith are repealed or amended accordingly.

This Administrative Order shall take effect fifteen (15) days after its publication in a newspaper of general circulation and upon acknowledgement of receipt of a copy thereof by the Office of the National Administrative Register (ONAR), UP Law Center.


ROY A. CIMATU
 Secretary



¹ Maximum limits represented by ninety eight percentile (98%) values not to be exceeded more than once a year.
² Annual Geometric Mean
³ These are provisional guideline values and shall be reviewed yearly to determine the course of action required or the next step.