



Republic of the Philippines  
Department of Environment and Natural Resources  
Visayas Avenue, Diliman, Quezon City  
Tels No. 929-6626 to 29, 929-6633 to 35  
Website: <https://www.denr.gov.ph/> E-mail: [web@denr.gov.ph](mailto:web@denr.gov.ph)

**DENR ADMINISTRATIVE ORDER**  
No. 2013- 13

07 MAR 2013

**SUBJECT: Establishing the Provisional National Ambient Air Quality Guideline Values for Particulate Matter 2.5 (PM<sub>2.5</sub>)**

Pursuant to Section 12 of Republic Act 8749, otherwise known as the "Philippine Clean Air Act of 1999", and Part II, Rule VII, Section 2 of DENR Administrative Order No. 2000-81 the following provisional national ambient air quality guideline values for PM 2.5 are hereby prescribed for the protection of public health and safety and general welfare.

**Section 1. Basic Policy.** It is the policy of the State to:

- a) protect and advance the right of people to a balanced and healthful ecology in accord with the rhythm and harmony of nature; and
- b) attain and maintain a balance between development and environmental protection.

**Section 2. Scope and Coverage.** These provisional guideline values for PM<sub>2.5</sub> defined as fine particles 2.5 and less in micrometers in diameter shall be used for air quality management purposes such as determining time trends, evaluating stages of deterioration or enhancement of the air quality and not intended for compliance purposes.

**Section 3. Objective.** This Order aims to establish/formulate provisional ambient air quality guideline values for PM<sub>2.5</sub> necessary to protect public health and safety and general welfare by adopting the World Health Organization (WHO) guidelines.

**Section 4. Definition of Terms.** The following terms as used in this Order shall be defined as follows:

- 1) Ambient Air Quality Guideline Value – refers to the concentration of air over specified periods classified as short-term and/or long term which are intended to serve as goals or objectives for the protection of health and/or public welfare. These values shall be used for air quality management purposes such as determining time trends, evaluating stages of deterioration or enhancement of the air quality. In general, used as a basis for taking positive action in preventing, controlling, or abating health impacts from air pollution and not intended for compliance purposes;
- 2) Equivalent Method – refers to any technique or procedure for sampling and/or analyzing an air pollutant which has been approved by the Environmental Management Bureau and demonstrated to have a consistent and qualitatively known relationship with the designated standard method; and
- 3) National Ambient Air Quality Values – are limits on criteria air pollutant concentrations published by the Department of Environment and Natural Resources (DENR), intended for the protection of public health, safety, and general welfare.

**Section 5. National Ambient Air Quality Guideline Values (NAAQGV)**

- (a) The Provisional National Ambient Air Quality Guideline Values (NAAQGV) for PM<sub>2.5</sub> shall be as follows:

Pollutant	Short-term <sup>(1)</sup>		Long-term <sup>(2)</sup>		Implementation Period
	µg/Ncu.m.	Averaging time	µg/Ncu.m.	Averaging time	
PM <sub>2.5</sub>	75 <sup>(3)</sup>	24 hours	35 <sup>(3)</sup>	1 Year	Upon effectivity date of the DAO until December 31, 2015
	50 <sup>(3)</sup>	24 hours	25 <sup>(3)</sup>	1 Year	January 1, 2016

- (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.

- (b) Sampling shall be conducted once every six days when using the manual method. A minimum of twelve sampling days per quarter or forty-eight sampling days each year is required for this method.
- (c) The applicable method for sampling and measurement of the above pollutant is Gravimetric, USEPA 40 CFR 60, Part 50, Appendix L for manual method as the reference method or Part 53 for continuous automatic sampling as equivalent method.

#### Section 6. Implementation Schedule

Effective January 1, 2016, the PM<sub>2.5</sub> NAAGV of 75 (24 hours) and 35 ug/Ncu.m. (1 year) shall be upgraded to 50 and 25 ug/Ncu.m., respectively.

#### Section 7. Implementation Framework

The implementation of this provisional guideline will follow the Implementation Strategy specified in DENR Administrative Order no. 2000-81.

#### Section 8. Roles and Duties of Concerned Government Agencies

Consistent with Section 9 of RA 8749 and Section 4, Rule XV, Part V of the DENR Administrative Order No. 2000-81, the Governing Board in a given airshed shall develop and implement action plans for the attainment of the objectives of this Order.

Action plans developed by the Governing Boards shall be subject to review and approval of the Bureau.

**Section 9. Separability Clause.** All Orders, Circulars and Instructions inconsistent herewith are hereby repealed or amended accordingly.

**Section 10. Effectivity.** This Order shall take effect immediately fifteen (15) days after its publication in a newspaper of general circulation and submission to the Office of the National Administrative Registry (ONAR).



*RAMON J. PAJE*  
*ant*

Publication: Malaya

March 15, 2013

Acknowledgement: ONAR, UP Law Center

March 18, 2013