

**[ DENR ADMINISTRATIVE ORDER NO. 2010-24,  
September 27, 2010 ]**

**REVISED EMISSION LIMITS/STANDARDS FOR  
MOTORCYCLES/TRICYCLES AND MOPEDS**

Pursuant to Section 25 of the Republic Act 8749 otherwise known as the "Philippine Clean Air Act (PCAA) of 1999", Part IX, Rule XXXIII, Section 1 of the DENR Administrative Order (DAO) No. 2000-81 also known as the "Implementing Rules and Regulations of the PCAA", and DAO 2003-25 the following the revised emission limits/standards for motorcycles/tricycles and mopeds are hereby promulgated.

**Section 1. Basic Policy**

1. It is the policy of the State to protect and advance the right of people to a balanced and healthful ecology in accord with the rhythm and harmony of nature;
2. It is also the policy of the State to attain and maintain a balance between development and environmental protection; and
3. It is the policy of the State to maintain a quality of air that protects human health and welfare.

**Sec. 2. Scope and Coverage.** These emission limits and standards shall apply to all new and in-use motorcycles/tricycles and mopeds for purposes of registration.

**Sec. 3. Objectives.**

1. To revise the exhaust emission standards and to update the emission limits for in-use and new motorcycles/tricycles and mopeds, respectively, to achieve substantial improvement in air quality for the health, safety and welfare of the general public; and
2. To give a lead time to manufacturers of new motorcycles/tricycles and mopeds for purposes of planning/design.

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

1. Certificate of Conformity - the Certificate issued by the DENR to a vehicle manufacturer/ assembler or importer certifying that a particular new vehicle or vehicle type meets the requirements provided under RA 8749 and its Implementing Rules and Regulations (IRR);
2. Conformity of Production -the verification of the production units' conformity with the requirements of the PCAA and its IRR.
3. Emission -any measurable air contaminant, pollutant, gas STREAM, or unwanted sound from known source which passed into the atmosphere;

4. In-use motorcycle/tricycle/moped – any two-or three-wheeled motor vehicle duly registered with the Land Transportation Office (LTO);
5. Moped (L1) – a two-wheeled vehicle with an engine cylinder capacity in the case of a thermic engine not exceeding 50 cubic centimeter and whatever the means of propulsion a maximum design speed not exceeding 50 km/h;
6. Motorcycle (L3) -a two-wheeled vehicle with an engine cylinder capacity in the case of a thermic engine exceeding 50 cubic centimeter or whatever the means of propulsion a maximum design speed exceeding 50 km/h.;
7. Motorcycle (L4) -a vehicle with three wheels asymmetrically arranged in relation to the longitudinal media plane with an engine cylinder capacity in the case of a thermic engine exceeding 50 cubic centimeter or whatever the means of propulsion a maximum design speed exceeding 50 kmh. (motorcycles with side cars or tricycles);
8. Motor Vehicle any vehicle propelled by a gasoline or diesel engine or by any other than human or animal power, constructed and operated principally for the conveyance of persons or the transportation of property or goods in a public highway or street open to public use;
9. New motorcycle/moped -any motor vehicle constructed entirely from new parts that has never been sold or registered with the LTO or with appropriate agency or authority, and operated on the highways of the Philippines, any foreign state or country;
10. Type Approval -the official ratification of the compliance of a vehicle type with applicable national or international regulations;
11. Vehicle Type -a category of power-driven vehicles which do not differ in such essentials as reference mass or weight, engine type, number of cylinders, body configuration, manner of transmission, fuel used and similar characteristics.

Sec. 5. Emission Limits for Type Approval of New Motorcycle and Moped - As a condition to issuance of the Certificate of Conformity (COC), all new motorcycle and moped types to be introduced in the market two (2) years after the approval of this Order shall comply with Tables 1, 1A, 2 and 3. [Ref: European Economic Community (EEC) Directive 97/24/EC(European Community)]

**Table 1**  
**Emission Limits for Motorcycle (L3)**  
**Level 1 with effectivity two (2) years after the approval date of this**  
**Administrative Order**

Class (cc)	Emission Limits (g/km for Type Approval and Conformity of Production		
	Carbon Monoxide (CO)	Hydrocarbons (HC)	Oxides of Nitrogen (NOx)
<150	5.5	1.2	0.3
>150	5.5	1.0	0.3