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No. S 188

ENVIRONMENTAL PROTECTION AND MANAGEMENT ACT 1999

ENVIRONMENTAL PROTECTION AND MANAGEMENT (VEHICULAR EMISSIONS) (AMENDMENT NO. 2) REGULATIONS 2023

In exercise of the powers conferred by sections 12(5) and 77 of the Environmental Protection and Management Act 1999, the National Environment Agency, with the approval of the Minister for Sustainability and the Environment, makes the following Regulations:

Citation and commencement

1. These Regulations are the Environmental Protection and Management (Vehicular Emissions) (Amendment No. 2) Regulations 2023 and come into operation on 6 April 2023.

New regulation 19A

2. In the Environmental Protection and Management (Vehicular Emissions) Regulations (Rg 6), after regulation 19, insert —

“Offence for using relevant vehicle that fails minimum standard for exhaust emission

19A.—(1) This section applies to or in relation to a two-wheeled or three-wheeled motor cycle or two-wheeled or three-wheeled scooter (called in this regulation a relevant vehicle) whether or not registered in Singapore, that is not registered as —

- (a) a classic vehicle;
- (b) a normal vintage vehicle;
- (c) a restricted vintage vehicle; or
- (d) a revised use vintage vehicle.

(2) A person who uses a relevant vehicle that emits from the exhaust of the relevant vehicle, more than —

- (a) 4.5% by volume of carbon monoxide;
- (b) for a relevant vehicle with a 2-stroke engine — 7800 ppm of hydrocarbons; or
- (c) for a relevant vehicle with a 4-stroke engine — 2000 ppm of hydrocarbons,

as measured when the relevant vehicle is at idle speed, shall be guilty of an offence.

(3) In this regulation —

“classic vehicle”, “normal vintage vehicle”, “restricted vintage vehicle” and “revised use vintage vehicle” have the meanings given by rule 2(1) of the Road Traffic (Motor Vehicles, Registration and Licensing) Rules (R 5);

“idle speed” means the engine speed of a stationary relevant vehicle when its engine is left on and its accelerator is not depressed;

“ppm” means parts per million.”.

Amendment of Fifth Schedule

3. In the Environmental Protection and Management (Vehicular Emissions) Regulations, in the Fifth Schedule, replace paragraphs 3B and 3C with —

“3B. The level of CO and HC emitted from the exhaust of any two-wheeled motor cycle or scooter that is registered in Singapore on any date during a period specified in the first column of the following table must not exceed the emission limits, if any, specified opposite in the second column of that table:

<i>First column</i>	<i>Second column</i>	
<i>Period in which motor cycle or scooter is registered</i>	<i>Emission limits</i>	
	<i>Measured at idle speed</i>	
	<i>CO (percentage by volume)</i>	<i>HC (ppm)</i>
(a) Before 1 October 2014	4.5	(i) 7,800 (for a motor cycle or scooter with a 2-stroke engine); or (ii) 2,000 (for a motor cycle or scooter with a 4-stroke engine)
(b) On or after 1 October 2014	3.0	1,000

3C.—(1) The level of CO emitted from the exhaust of a three-wheeled motor cycle or scooter that is registered in Singapore, must not exceed 4.5% by volume as measured when the motor cycle or scooter is at idle speed.

(2) The level of HC emitted from the exhaust of a three-wheeled motor cycle or scooter that is registered in Singapore, must not exceed —

(a) for a motor cycle or scooter with a 2-stroke engine — 7800 ppm of HC; and

(b) for a motor cycle or scooter with a 4-stroke engine — 2000 ppm of HC,

as measured when the motor cycle or scooter is at idle speed.”.

[G.N. Nos. S 625/2008; S 564/2010; S 301/2012; S 765/2013; S 766/2013; S 199/2014; S 609/2014; S 372/2016; S 26/2017; S 396/2017; S 480/2017; S 781/2017; S 189/2018; S 420/2018; S 877/2018; S 57/2019; S 322/2019; S 1006/2021; S 249/2022; S 668/2022; S 172/2023]

Made on 5 April 2023.

LEE CHUAN SENG
Chairperson,
National Environment Agency,
Singapore.

[C030/01/118; AG/LEGIS/SL/94A/2020/2 Vol. 2]

(To be presented to Parliament under section 77(3) of the Environmental Protection and Management Act 1999).