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ENVIRONMENTAL PROTECTION AND MANAGEMENT ACT  
(CHAPTER 94A)

ENVIRONMENTAL PROTECTION AND MANAGEMENT  
(VEHICULAR EMISSIONS) (AMENDMENT NO. 3)  
REGULATIONS 2018

In exercise of the powers conferred by sections 12(5) and 77(1) of the Environmental Protection and Management Act, the National Environment Agency, with the approval of the Minister for the Environment and Water Resources, makes the following Regulations:

**Citation and commencement**

1. These Regulations are the Environmental Protection and Management (Vehicular Emissions) (Amendment No. 3) Regulations 2018 and come into operation on 1 January 2019.

**Amendment of First Schedule**

2. The First Schedule to the Environmental Protection and Management (Vehicular Emissions) Regulations (Rg 6) is amended —

(a) by deleting paragraph 1 and substituting the following paragraph:

“1. The standards for exhaust emission for new petrol driven motor vehicles (the exhaust emission of which is to be determined in accordance with the relevant document in which the standard is found) of the following classes are as follows:

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<i>Class of vehicle</i>	<i>Standard for exhaust emission</i>
(a) Passenger car with engine employing Gasoline Direct Injection technology and equipped with a NO <sub>x</sub> storage reduction catalyst	(i) Euro 6 standard; (ii) JPN2009 and Euro 6 PN limit; or (iii) JPN2018 and Euro 6 PN limit.
(b) Passenger car with engine employing Gasoline Direct Injection technology and not equipped with a NO <sub>x</sub> storage reduction catalyst	(i) Euro 6 standard; (ii) JPN2009 (including JPN2009 PM limit) and Euro 6 PN limit; (iii) JPN2009 and Euro 6 PM and PN limits; (iv) JPN2018 (including JPN2018 PM limit) and Euro 6 PN limit; or (v) JPN2018 and Euro 6 PM and PN limits.
(c) Passenger car with engine that does not employ Gasoline Direct Injection technology	(i) Euro 6 standard; (ii) JPN2009; or (iii) JPN2018.

<i>Class of vehicle</i>	<i>Standard for exhaust emission</i>
(d) Motor vehicle (other than a passenger car) with engine employing Gasoline Direct Injection technology and equipped with a NO <sub>x</sub> storage reduction catalyst	(i) Euro 6 standard; (ii) JPN2009 and Euro 6 PN limit; or (iii) JPN2018 and Euro 6 PN limit.
(e) Motor vehicle (other than a passenger car) with engine employing Gasoline Direct Injection technology and not equipped with a NO <sub>x</sub> storage reduction catalyst	(i) Euro 6 standard; (ii) JPN2009 (including JPN2009 PM limit) and Euro 6 PN limit; (iii) JPN2009 and Euro 6 PM and PN limits; (iv) JPN2018 (including JPN2018 PM limit) and Euro 6 PN limit; or (v) JPN2018 and Euro 6 PM and PN limits.
(f) Motor vehicle (other than a passenger car) with engine that does not employ Gasoline Direct Injection technology	(i) Euro 6 standard; (ii) JPN2009; or (iii) JPN2018.

”;

(b) by deleting the definitions of “Euro VI PM limit” and “Euro VI PN limit” in paragraph 2 and substituting the following definitions:

““Commission Regulation (EC) No. 692/2008” means the Commission Regulation (EC) No. 692/2008 of 18 July 2008 implementing and amending Regulation (EC) No. 715/2007 of the European Parliament and of the Council on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information;

“Commission Regulation (EU) No. 2017/1151” means the Commission Regulation (EU) 2017/1151 of 1 June 2017 supplementing Regulation (EC) No. 715/2007 of the European Parliament and of the Council on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information, amending Directive 2007/46/EC of the European Parliament and of the Council, Commission Regulation (EC) No. 692/2008 and Commission Regulation (EU) No. 1230/2012 and repealing Commission Regulation (EC) No. 692/2008;

“Euro 6 PM and PN limits” means the standards for the mass of particulate matter, and for particle numbers, in exhaust emission —

(a) specified respectively in the columns titled “Mass of particulate matter (PM)” and “Number of particles (PN)” in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012, with the following modification: the references to “ $6,0 \times 10^{11}$ ” under the sub-column titled “PI” of the column titled “Number of particles (PN)” are to be read as references to “ $6,0 \times 10^{12}$ ”; or

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- (b) specified respectively in the columns titled “Mass of particulate matter (PM)” and “Number of particles (PN)” in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012 and read with Commission Regulation (EU) No. 2017/1151, with the following modification: the references to “ $6,0 \times 10^{11}$ ” under the sub-column titled “PI” of the column titled “Number of particles (PN)” are to be read as references to “ $6,0 \times 10^{12}$ ”;

“Euro 6 PN limit” means the standard for particle numbers in exhaust emission —

- (a) specified in the column titled “Number of particles (PN)” in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012, with the following modification: the references to “ $6,0 \times 10^{11}$ ” under the sub-column titled “PI” of the column titled “Number of particles (PN)” are to be read as references to “ $6,0 \times 10^{12}$ ”; or
- (b) specified in the column titled “Number of particles (PN)” in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012 and read with Commission Regulation (EU) No. 2017/1151, with the following modification: the references to “ $6,0 \times 10^{11}$ ” under the sub-column titled “PI” of the column titled “Number of particles (PN)” are to be read as references to “ $6,0 \times 10^{12}$ ”;

“Euro 6 standard” means the standard for exhaust emissions —

- (a) in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012 (with the following modification: the references to “ $6,0 \times 10^{11}$ ” under the sub-column titled “PI” of the column titled “Number of particles (PN)” in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU)

No. 459/2012, are to be read as references to “ $6,0 \times 10^{12}$ ”); or

- (b) in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012 (with the following modification: the references to “ $6,0 \times 10^{11}$ ” under the sub-column titled “PI” of the column titled “Number of particles (PN)” in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012, are to be read as references to “ $6,0 \times 10^{12}$ ”), read with Commission Regulation (EU) No. 2017/1151;” and

- (c) by inserting, immediately after the definition of “JPN2009 PM limit” in paragraph 2, the following definitions:

““JPN2018” means paragraph 1(3)B of Article 41 of the Japanese Ministry of Land, Infrastructure and Transport Announcement No. 619 dated 15 July 2002 (ANNOUNCEMENT THAT PRESCRIBES DETAILS OF SAFETY REGULATIONS FOR ROAD VEHICLES), as amended by the Japanese Ministry of Land, Infrastructure, Transport and Tourism Announcement No. 528 dated 30 March 2018;

“JPN2018 PM limit” means the standard for the mass of particulate matter in exhaust emission specified in paragraph 1(1), and in the column titled “Particulate matters” in the table at paragraph 1(3)B of Article 41 of the Japanese Ministry of Land, Infrastructure and Transport Announcement No. 619 dated 15 July 2002 (ANNOUNCEMENT THAT PRESCRIBES DETAILS OF SAFETY REGULATIONS FOR ROAD VEHICLES), as amended by the Japanese Ministry of Land, Infrastructure, Transport and Tourism Announcement No. 528 dated 30 March 2018;”.

### **Amendment of Second Schedule**

3. The Second Schedule to the Environmental Protection and Management (Vehicular Emissions) Regulations is amended —

- (a) by deleting paragraph 1 and substituting the following paragraph:

“1. The standards for exhaust emission for new diesel driven motor vehicles (the exhaust emission of which is to be determined in accordance with the relevant document in which the standard is found) of the following classes are as follows:

<i>Class of vehicle</i>	<i>Standard for exhaust emission</i>
<i>(a)</i> Passenger car	<ul style="list-style-type: none"> <li>(i) Euro 6 standard for light vehicles;</li> <li>(ii) JPN2009 and Euro 6 PN limit; or</li> <li>(iii) JPN2018 and Euro 6 PN limit.</li> </ul>
<i>(b)</i> Motor vehicle (other than a passenger car) with gross vehicle weight not exceeding 3.5 tons	<ul style="list-style-type: none"> <li>(i) Euro 6 standard for light vehicles;</li> <li>(ii) JPN2009 and Euro 6 PN limit; or</li> <li>(iii) JPN2018 and Euro 6 PN limit.</li> </ul>
<i>(c)</i> Motor vehicle (other than a passenger car) with gross vehicle weight exceeding 3.5 tons	<ul style="list-style-type: none"> <li>(i) Euro VI standard for heavy vehicles; or</li> <li>(ii) PPNLT and Euro VI PM number.</li> </ul>

”;

(b) by inserting, immediately after the definition of “Commission Regulation (EU) No. 582/2011” in paragraph 2, the following definitions:

““Commission Regulation (EC) No. 692/2008” means the Commission Regulation (EC) No. 692/2008 of 18 July 2008 implementing and amending Regulation (EC) No. 715/2007 of the European Parliament and of the Council on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information;

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“Commission Regulation (EU) No. 2017/1151” means the Commission Regulation (EU) 2017/1151 of 1 June 2017 supplementing Regulation (EC) No. 715/2007 of the European Parliament and of the Council on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information, amending Directive 2007/46/EC of the European Parliament and of the Council, Commission Regulation (EC) No. 692/2008 and Commission Regulation (EU) No. 1230/2012 and repealing Commission Regulation (EC) No. 692/2008;

“Euro 6 PN limit” means the standard for particle numbers in exhaust emission —

(a) specified in the column titled “Number of particles (PN)” in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012; or

(b) specified in the column titled “Number of particles (PN)” in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012 and read with Commission Regulation (EU) No. 2017/1151;

“Euro 6 standard for light vehicles” means the standard for exhaust emissions —

(a) in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012; or

(b) in Regulation (EC) No. 715/2007, Annex I, Table 2, as amended by Commission Regulation (EU) No. 459/2012 and read with Commission Regulation (EU) No. 2017/1151;”;

(c) by deleting the definition of “Euro VI PN limit” in paragraph 2 and substituting the following definition:

““Euro VI standard for heavy vehicles” means the standard for exhaust emissions in Regulation (EC) No. 595/2009,

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Annex I, as amended by Commission Regulation (EU) No. 582/2011;” and

(d) by inserting, immediately after the definition of “JPN2009” in paragraph 2, the following definition:

““JPN2018” means paragraph 1(7)B of Article 41 of the Japanese Ministry of Land, Infrastructure and Transport Announcement No. 619 dated 15 July 2002 (ANNOUNCEMENT THAT PRESCRIBES DETAILS OF SAFETY REGULATIONS FOR ROAD VEHICLES), as amended by the Japanese Ministry of Land, Infrastructure, Transport and Tourism Announcement No. 528 dated 30 March 2018;”.

*[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]*

Made on 17 December 2018.

LIAK TENG LIT  
*Chairman,  
National Environment Agency,  
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(To be presented to Parliament under section 77(3) of the Environmental Protection and Management Act).