

REVIEW OF GAZETTE EXTRAORDINARY

NO.1.137/35 DATED 23/06/2000

(Peer Review Draft)

Amendment made are in RED colour

PART 1 : SECTION (I) GENERAL

Government Notifications

THE NATIONAL ENVIRONMENTAL ACT, NO. 47 OF 1980

REGULATION made by the Minister of Environment and Natural Resources under section 32 of the National Environmental Act. No. 47 of 1980, read with Sections 23J and 23K of the Act.

Rukman Senanayake

Minister of Environment and Natural Resources.

Colombo,

.....2002

Regulation

1. These regulations may be cited as the amendment of the National Environmental (Air Emission, Fuel and Vehicle Importation Standards) Regulation No. 01 of 2000 and shall come into effect on the - 1st day of January, 2003.

PART I

MOBILE AIR EMISSION STANDARDS

2. The permissible Mobile Air Emission limits for every motor vehicle in use in Sri Lanka, shall be as set out in the First Schedule hereto.

3. No user of a motor vehicle shall discharge emission into the atmosphere exceeding the Mobile Air Emission limits as set out in the First Schedule hereto.

4. (I) The Commissioner of Motor Traffic may authorize any vehicle emission testing center as an accredited vehicle emission testing center for the purpose of testing and certifying the mobile air emission standards of any motor vehicle.

4 (2) The Commissioner of Motor Traffic shall obtain clearance from the Central Environmental Authority prior to certifying an accredited vehicle emission testing center for the purposes of testing mobile air emission standards.

4, (3) Every owner or user of a motor vehicle shall produce an annual compliance certificate of Mobile Air Emission Standards, issued by a vehicle emission testing center authorized by the Commissioner of Motor Traffic as an accredited vehicle emission testing center under paragraph (I) of this regulation.

4 (4) No certificate issued by an accredited vehicle emission testing center in respect of the mobile air emission standards for Carbon Monoxide (CO) and Hydrocarbon (HC), shall be valid unless the measuring equipment used to test and certify the compliance of the mobile air emission standards for Carbon Monoxide (CO) and Hydrocarbon (HC), is in compliance with Standard No. R99 of Organization International De Metrologie Legale (OIML).

4 (5) No certificate issued by an accredited vehicle emission testing center in respect of the mobile air emission standards for Smoke Opacity, shall be valid unless the measuring equipment used to test and certify the compliance of the mobile emission standards for Smoke Opacity, is in compliance with SAE RECOMMENDED PRACTICE J 1667.

PART II

FUEL STANDARDS

5. Every person, who supplies fuel for the use of any motor vehicle, shall ensure the compliance of the permissible fuel standards as set out in the second schedule hereto.

PART III

VEHICLE SPECIFICATION STANDARDS FOR IMPORTATION

6. Every person, who imports into Sri Lanka any motor vehicle, shall comply with the vehicle specification standards as set out in the Third Schedule hereto.

7. In these regulations :-

- (i) the words “motor vehicle”, “motor coach” “lorry”, “motor cars” and “three wheelers” shall have the same meaning assigned to them under the Motor Traffic Act.
- (ii) The words, “mobile air emission” means air emission from a motor vehicle.

FIRST SCHEDULE

(A) Petrol Vehicles

Type of Vehicle	Pollution Standard	Hydrocarbon HC(ppm v/v)	Remarks
Petrol wo/cc	Carbon Monoxide CO(% vol) 4.5>5years 3.0<5years	1200	Low idling
Petrol motor cycles and three wheelers	6.0		Low idling

Abbreviations :

wo/cc	-	without catalytic converter
w/cc	-	with catalytic converter
>5 years	-	vehicles more than 5 years old from the year of manufacture (used/unused)
<5 years	-	vehicles less than 5 years old from the year of manufacture
%v/v	-	percent by volume
ppm v/v	-	parts per million by volume

(B) Diesel Vehicles

Type of Vehicle	Smoke Opacity % (* k factor (m ⁻¹) Idle	Free Acceleration
Diesel-Tare less than 1728Kg including three Wheelers	65(2.44)	75(3.22)
Diesel-Tare more than		

1728 Kg

65(2.44)

75(3.22)

* k factor - Absorption Coefficient

SECOND SCHEDULE

(A) Emission Related Standards for Unleaded Gasoline

	Parameter	Unit	Standard	Test method
1.	Reid Vapour Pressure	Kpa	35-60 (38.0° C)	ASTM D 5191
2.	Total Aromatics (Maximum)	% v/v	45	UOP 273
3.	Benzene (Maximum)	%v/v	4	ASTM D3606
4.	Lead content (Maximum)	g/l	0.013	ASTM D 3341 and ASTM D 5055
5.	Sulphur(S) (Maximum)	%m/m	0.1	ASTM D 1266
6.	Gum (Solvent Wash) (Maximum)	g./m ³	40	ASTM D 381
7.	Oxygenates content (Maximum) Ether (MTBE, ETBE) Alcohol	%v/v	15	ASTM D 4815
8.	Research Octane Number (RON) (Maximum)		90-95	ASTM D 2699
9.	Oxygen content (Maximum)	%m/m	2.7	by calculation

(B) Emission Related Standards for Diesel

	Parameter	Unit	Standard	Test Method
1.	Centane Number (Maximum)		48	IP 21 or ASTM D 613
2.	Density at 15° C	kg/m ³	820-860	ASTM D 1298

3.	(Maximum) Distillation	°C	370	ASTM D 86
4.	(T90-Maximum) Cetane Index		46	ASTM D 976 (by calculation)
5.	Suphur (S) content (Maximum)	%m/m	0.3	ASTM D 1266

Abbreviations :

kpa	-	kilopascals
%v/v	-	percent by volume
%m/m	-	percent by mass
g/l	-	grams per litre
g/m ³	-	kilograms per meter cube
MTBE	-	Ethyl Tertiary Butyl Ether
T90	-	Temperature at which 90% of diesel evaporates

THIRD SCHEDULE

European Community Standard, or a Standard that is within the emission limits as specified in the following respective European Community Standard (EC) for particular emissions :

1. Commission Directive 96/69EC for motor coach and lorries;
2. Commission Directive 94/12/EC for motor cars;
3. Commission Directive 97/24/EC for motorcycles and three wheelers;