

Environmental Protection Agency

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AUTHORITY: 42 U.S.C. 7521, 7522, 7523, 7524, 7525, 7541, 7542, 7543, 7547, 7549, 7550, and 7601(a).

SOURCE: 60 FR 34598, July 3, 1995, unless otherwise noted.

Subpart A—General

§ 90.1 Applicability.

(a) This part applies to nonroad spark-ignition engines and vehicles that have a gross power output at or below 19 kilowatts (kW) and that are used for any purpose. To the extent permitted by other parts of this chapter, this part may, at the engine manufacturer's option, apply to engines with gross power output greater than 19 kW that have an engine displacement of less than or equal to one liter:

(b) Notwithstanding paragraph (a) of this section, the following nonroad engines and vehicles are not subject to the provisions of this part:

(1) Engines used to propel marine vessels as defined in the General Provisions of the United States Code, 1 U.S.C. 3 (1992);

(2) Engines that are both:

(i) Used in underground mining or in underground mining equipment; and

(ii) Regulated by the Mining Safety and Health Administration (MSHA) in 30 CFR parts 7, 31, 32, 36, 56, 57, 70, and 75;

(3) Engines used in motorcycles and regulated in 40 CFR part 86, subpart E;

(4) Engines used in aircraft as that term is defined in 40 CFR 87.1(a);

(5) Engines used in recreational vehicles and which are defined by the following criteria:

(i) The engine's rated speed is greater than or equal to 5,000 RPM;

(ii) The engine has no installed speed governor;

(iii) The engine is not used for the propulsion of a marine vessel; and

(iv) The engine does not meet the criteria to be categorized as a Class III, IV or V engine, as indicated in § 90.103, except for cases where the engine will be used only to propel a flying vehicle forward, sideways, up, down or backward through air;

(6) Engines that are used exclusively in emergency and rescue equipment where no certified engines are available to power the equipment safely and practically, but not including generators, alternators, compressors or pumps used to provide remote power to a rescue tool. The equipment manufacturer bears the responsibility to ascertain on an annual basis and maintain documentation available to the Administrator that no appropriate certified engine is available from any source.

(c) Engines subject to the provisions of this subpart are also subject to the provisions found in subparts B through M of this part, except that subparts C, H, and M of this part apply only to Phase 2 engines as defined in this subpart.

(d) Certain text in this part is identified as pertaining to Phase 1 or Phase 2 engines. Such text pertains only to engines of the specified Phase. If no indication of Phase is given, the text pertains to all engines, regardless of Phase.

[60 FR 34598, July 3, 1995, as amended at 64 FR 15235, Mar. 30, 1999; 65 FR 24305, Apr. 25, 2000]

§ 90.2 Effective dates.

(a) This subpart applies to nonroad spark-ignition engines at or below 19 kW effective with the 1997 model year.

(b) Notwithstanding paragraph (a) of this section, this subpart applies to class V engines, as specified in § 90.116(b)(5), that are preempted from

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regulation in California by section 209(e)(1)(A) of the Act, effective January 1, 1998.

§ 90.3 Definitions.

The following definitions apply to part 90. All terms not defined herein have the meaning given them in the Act.

Act means the Clean Air Act, as amended, 42 U.S.C. 7401 et seq.

Adjustable parameter means any device, system, or element of design which is physically capable of being adjusted (including those which are difficult to access) and which, if adjusted, may affect emissions or engine performance during emission testing or normal in-use operation.

Administrator means the Administrator of the Environmental Protection Agency or his or her authorized representative.

Aftertreatment means the passage of exhaust gases through a device or system such as a catalyst whose purpose is to chemically alter the gases prior to their release to the atmosphere.

Auxiliary emission control device (AECD) means any element of design that senses temperature, vehicle speed, engine RPM, transmission gear, or any other parameter for the purpose of activating, modulating, delaying, or deactivating the operation of any part of the emission control system.

Certification means, with respect to new nonroad engines, obtaining a certificate of conformity for an engine family complying with the nonroad engine emission standards and requirements specified in this part.

DF or *df* means deterioration factor.

Eligible production or *U.S. production* means Phase 2 engines produced for purposes of being used in the United States, and includes any engine exported and subsequently imported in a new piece of equipment, but excludes any engine introduced into commerce, by itself or in a piece of equipment, for use in a state that has established its own emission requirements applicable to such engines pursuant to a waiver granted by EPA under section 209(e) of the Clean Air Act.

Emission control system means any device, system, or element of design

which controls or reduces the emission of substances from an engine.

Engine as used in this part, refers to nonroad engine.

Engine family means a group of engines, as specified in § 90.116.

Engine manufacturer means any person engaged in the manufacturing or assembling of new nonroad engines or the importing of such engines for resale, or who acts for and is under the control of any such person in connection with the distribution of such engines. Engine manufacturer does not include any dealer with respect to new nonroad engines received by such person in commerce.

EPA enforcement officer means any officer, employee, or authorized representative of the U.S. Environmental Protection Agency so designated in writing by the Administrator (or by his or her designee).

Equipment manufacturer means a manufacturer of equipment using engines covered by the provisions of this Part who does not also manufacture engines covered by the provisions of this Part.

Exhaust emissions means matter emitted into the atmosphere from any opening downstream from the exhaust port of a nonroad engine.

Family Emission Limit or *FEL* means an emission level that is declared by the manufacturer to serve in lieu of an emission standard for the purposes of certification, production line testing, and Selective Enforcement Auditing for engines participating in the averaging, banking and trading program. A declared FEL will also serve in lieu of an emission standard where the manufacturer elects to perform voluntary in-use testing under this part. An FEL must be expressed to the same number of decimal places as the applicable emission standard.

Fuel system means all components involved in the transport, metering, and mixture of the fuel from the fuel tank to the combustion chamber(s) including the following: fuel tank, fuel tank cap, fuel pump, fuel lines, oil injection metering system, carburetor or fuel injection components, and all fuel system vents.