

**§ 7553. Prohibition on production of engines requiring leaded gasoline**

The Administrator shall promulgate regulations applicable to motor vehicle engines and nonroad engines manufactured after model year 1992 that prohibit the manufacture, sale, or introduction into commerce of any engine that requires leaded gasoline.

(July 14, 1955, ch. 360, title II, § 218, as added Pub. L. 101-549, title II, § 226, Nov. 15, 1990, 104 Stat. 2505.)

**§ 7554. Urban bus standards**

**(a) Standards for model years after 1993**

Not later than January 1, 1992, the Administrator shall promulgate regulations under section 7521(a) of this title applicable to urban buses for the model year 1994 and thereafter. Such standards shall be based on the best technology that can reasonably be anticipated to be available at the time such measures are to be implemented, taking costs, safety, energy, lead time, and other relevant factors into account. Such regulations shall require that such urban buses comply with the provisions of subsection (b) of this section (and subsection (c) of this subsection,<sup>1</sup> if applicable) in addition to compliance with the standards applicable under section 7521(a) of this title for heavy-duty vehicles of the same type and model year.

**(b) PM standard**

**(1) 50 percent reduction**

The standards under section 7521(a) of this title applicable to urban buses shall require that, effective for the model year 1994 and thereafter, emissions of particulate matter (PM) from urban buses shall not exceed 50 percent of the emissions of particulate matter (PM) allowed under the emission standard applicable under section 7521(a) of this title as of November 15, 1990, for particulate matter (PM) in the case of heavy-duty diesel vehicles and engines manufactured in the model year 1994.

**(2) Revised reduction**

The Administrator shall increase the level of emissions of particulate matter allowed under the standard referred to in paragraph (1) if the Administrator determines that the 50 percent reduction referred to in paragraph (1) is not technologically achievable, taking into account durability, costs, lead time, safety, and other relevant factors. The Administrator may not increase such level of emissions above 70 percent of the emissions of particulate matter (PM) allowed under the emission standard applicable under section 7521(a) of this title as of November 15, 1990, for particulate matter (PM) in the case of heavy-duty diesel vehicles and engines manufactured in the model year 1994.

**(3) Determination as part of rule**

As part of the rulemaking under subsection (a), the Administrator shall make a determination as to whether the 50 percent reduction referred to in paragraph (1) is techno-

logically achievable, taking into account durability, costs, lead time, safety, and other relevant factors.

**(c) Low-polluting fuel requirement**

**(1) Annual testing**

Beginning with model year 1994 buses, the Administrator shall conduct annual tests of a representative sample of operating urban buses subject to the particulate matter (PM) standard applicable pursuant to subsection (b) to determine whether such buses comply with such standard in use over their full useful life.

**(2) Promulgation of additional low-polluting fuel requirement**

(A) If the Administrator determines, based on the testing under paragraph (1), that urban buses subject to the particulate matter (PM) standard applicable pursuant to subsection (b) do not comply with such standard in use over their full useful life, he shall revise the standards applicable to such buses to require (in addition to compliance with the PM standard applicable pursuant to subsection (b)) that all new urban buses purchased or placed into service by owners or operators of urban buses in all metropolitan statistical areas or consolidated metropolitan statistical areas with a 1980 population of 750,000 or more shall be capable of operating, and shall be exclusively operated, on low-polluting fuels. The Administrator shall establish the pass-fail rate for purposes of testing under this subparagraph.

(B) The Administrator shall promulgate a schedule phasing in any low-polluting fuel requirement established pursuant to this paragraph to an increasing percentage of new urban buses purchased or placed into service in each of the first 5 model years commencing 3 years after the determination under subparagraph (A). Under such schedule 100 percent of new urban buses placed into service in the fifth model year commencing 3 years after the determination under subparagraph (A) shall comply with the low-polluting fuel requirement established pursuant to this paragraph.

(C) The Administrator may extend the requirements of this paragraph to metropolitan statistical areas or consolidated metropolitan statistical areas with a 1980 population of less than 750,000, if the Administrator determines that a significant benefit to public health could be expected to result from such extension.

**(d) Retrofit requirements**

Not later than 12 months after November 15, 1990, the Administrator shall promulgate regulations under section 7521(a) of this title requiring that urban buses which—

(1) are operating in areas referred to in subparagraph (A) of subsection (c)(2) (or subparagraph (C) of subsection (c)(2) if the Administrator has taken action under that subparagraph);

(2) were not subject to standards in effect under the regulations under subsection (a) of this section; and

(3) have their engines replaced or rebuilt after January 1, 1995,

shall comply with an emissions standard or emissions control technology requirement es-

<sup>1</sup> So in original. Probably should be "section,".

tablished by the Administrator in such regulations. Such emissions standard or emissions control technology requirement shall reflect the best retrofit technology and maintenance practices reasonably achievable.

**(e) Procedures for administration and enforcement**

The Administrator shall establish, within 18 months after November 15, 1990, and in accordance with section 7525(h) of this title, procedures for the administration and enforcement of standards for buses subject to standards under this section, testing procedures, sampling protocols, in-use compliance requirements, and criteria governing evaluation of buses. Procedures for testing (including, but not limited to, certification testing) shall reflect actual operating conditions.

**(f) Definitions**

For purposes of this section—

**(1) Urban bus**

The term “urban bus” has the meaning provided under regulations of the Administrator promulgated under section 7521(a) of this title.

**(2) Low-polluting fuel**

The term “low-polluting fuel” means methanol, ethanol, propane, or natural gas, or any comparably low-polluting fuel. In determining whether a fuel is comparably low-polluting, the Administrator shall consider both the level of emissions of air pollutants from vehicles using the fuel and the contribution of such emissions to ambient levels of air pollutants. For purposes of this paragraph, the term “methanol” includes any fuel which contains at least 85 percent methanol unless the Administrator increases such percentage as he deems appropriate to protect public health and welfare.

(July 14, 1955, ch. 360, title II, § 219, as added Pub. L. 101-549, title II, § 227[(a)], Nov. 15, 1990, 104 Stat. 2505.)

PART B—AIRCRAFT EMISSION STANDARDS

**§ 7571. Establishment of standards**

**(a) Study; proposed standards; hearings; issuance of regulations**

(1) Within 90 days after December 31, 1970, the Administrator shall commence a study and investigation of emissions of air pollutants from aircraft in order to determine—

(A) the extent to which such emissions affect air quality in air quality control regions throughout the United States, and

(B) the technological feasibility of controlling such emissions.

(2)(A) The Administrator shall, from time to time, issue proposed emission standards applicable to the emission of any air pollutant from any class or classes of aircraft engines which in his judgment causes, or contributes to, air pollution which may reasonably be anticipated to endanger public health or welfare.

(B)(i) The Administrator shall consult with the Administrator of the Federal Aviation Administration on aircraft engine emission standards.

(ii) The Administrator shall not change the aircraft engine emission standards if such change would significantly increase noise and adversely affect safety.

(3) The Administrator shall hold public hearings with respect to such proposed standards. Such hearings shall, to the extent practicable, be held in air quality control regions which are most seriously affected by aircraft emissions. Within 90 days after the issuance of such proposed regulations, he shall issue such regulations with such modifications as he deems appropriate. Such regulations may be revised from time to time.

**(b) Effective date of regulations**

Any regulation prescribed under this section (and any revision thereof) shall take effect after such period as the Administrator finds necessary (after consultation with the Secretary of Transportation) to permit the development and application of the requisite technology, giving appropriate consideration to the cost of compliance within such period.

**(c) Regulations which create hazards to aircraft safety**

Any regulations in effect under this section on August 7, 1977, or proposed or promulgated thereafter, or amendments thereto, with respect to aircraft shall not apply if disapproved by the President, after notice and opportunity for public hearing, on the basis of a finding by the Secretary of Transportation that any such regulation would create a hazard to aircraft safety. Any such finding shall include a reasonably specific statement of the basis upon which the finding was made.

(July 14, 1955, ch. 360, title II, § 231, as added Pub. L. 91-604, § 11(a)(1), Dec. 31, 1970, 84 Stat. 1703; amended Pub. L. 95-95, title II, § 225, title IV, § 401(f), Aug. 7, 1977, 91 Stat. 769, 791; Pub. L. 104-264, title IV, § 406(b), Oct. 9, 1996, 110 Stat. 3257.)

CODIFICATION

Section was formerly classified to section 1857f-9 of this title.

AMENDMENTS

1996—Subsec. (a)(2). Pub. L. 104-264 designated existing provisions as subpar. (A) and added subpar. (B).

1977—Subsec. (a)(2). Pub. L. 95-95, § 401(f), substituted “The Administrator shall, from time to time, issue proposed emission standards applicable to the emission of any air pollutant from any class or classes of aircraft engines which in his judgment causes, or contributes to, air pollution which may reasonably be anticipated to endanger public health or welfare” for “Within 180 days after commencing such study and investigation, the Administrator shall publish a report of such study and investigation and shall issue proposed emission standards applicable to emissions of any air pollutant from any class or classes of aircraft or aircraft engines which in his judgment cause or contribute to or are likely to cause or contribute to air pollution which endangers the public health or welfare”.

Subsec. (c). Pub. L. 95-95, § 225, substituted “Any regulations in effect under this section on August 7, 1977, or proposed or promulgated thereafter, or amendments thereto, with respect to aircraft shall not apply if disapproved by the President, after notice and opportunity for public hearing, on the basis of a finding by the Secretary of Transportation that any such regula-