

STUDY AND INVESTIGATION OF UNINSTALLED AIRCRAFT ENGINES

Pub. L. 101-549, title II, §233, Nov. 15, 1990, 104 Stat. 2529, provided that:

“(a) STUDY.—The Administrator of the Environmental Protection Agency and the Secretary of Transportation, in consultation with the Secretary of Defense, shall commence a study and investigation of the testing of uninstalled aircraft engines in enclosed test cells that shall address at a minimum the following issues and such other issues as they shall deem appropriate—

“(1) whether technologies exist to control some or all emissions of oxides of nitrogen from test cells;

“(2) the effectiveness of such technologies;

“(3) the cost of implementing such technologies;

“(4) whether such technologies affect the safety, design, structure, operation, or performance of aircraft engines;

“(5) whether such technologies impair the effectiveness and accuracy of aircraft engine safety design, and performance tests conducted in test cells; and

“(6) the impact of not controlling such oxides of nitrogen in the applicable nonattainment areas and on other sources, stationary and mobile, on oxides of nitrogen in such areas.

“(b) REPORT, AUTHORITY TO REGULATE.—Not later than 24 months after enactment of the Clean Air Act Amendments of 1990 [Nov. 15, 1990], the Administrator of the Environmental Protection Agency and the Secretary of Transportation shall submit to Congress a report of the study conducted under this section. Following the completion of such study, any of the States may adopt or enforce any standard for emissions of oxides of nitrogen from test cells only after issuing a public notice stating whether such standards are in accordance with the findings of the study.”

§ 7572. Enforcement of standards

(a) Regulations to insure compliance with standards

The Secretary of Transportation, after consultation with the Administrator, shall prescribe regulations to insure compliance with all standards prescribed under section 7571 of this title by the Administrator. The regulations of the Secretary of Transportation shall include provisions making such standards applicable in the issuance, amendment, modification, suspension, or revocation of any certificate authorized by part A of subtitle VII of title 49 or the Department of Transportation Act. Such Secretary shall insure that all necessary inspections are accomplished, and,¹ may execute any power or duty vested in him by any other provision of law in the execution of all powers and duties vested in him under this section.

(b) Notice and appeal rights

In any action to amend, modify, suspend, or revoke a certificate in which violation of an emission standard prescribed under section 7571 of this title or of a regulation prescribed under subsection (a) is at issue, the certificate holder shall have the same notice and appeal rights as are prescribed for such holders in part A of subtitle VII of title 49 or the Department of Transportation Act, except that in any appeal to the National Transportation Safety Board, the Board may amend, modify, or revoke the order of the Secretary of Transportation only if it finds no violation of such standard or regulation

and that such amendment, modification, or revocation is consistent with safety in air transportation.

(July 14, 1955, ch. 360, title II, §232, as added Pub. L. 91-604, §11(a)(1), Dec. 31, 1970, 84 Stat. 1704.)

REFERENCES IN TEXT

The Department of Transportation Act, referred to in subsecs. (a) and (b), is Pub. L. 89-670, Oct. 15, 1966, 80 Stat. 931, as amended, which was classified principally to sections 1651 to 1660 of former Title 49, Transportation. The Act was repealed and the provisions thereof reenacted in Title 49, Transportation, by Pub. L. 97-449, Jan. 12, 1983, 96 Stat. 2413, and Pub. L. 103-272, July 5, 1994, 108 Stat. 745. The Act was also repealed by Pub. L. 104-287, §7(5), Oct. 11, 1996, 110 Stat. 3400. For disposition of sections of former Title 49, see Table at the beginning of Title 49.

CODIFICATION

In subsecs. (a) and (b), “part A of subtitle VII of title 49” substituted for “the Federal Aviation Act [49 App. U.S.C. 1301 et seq.]” and “the Federal Aviation Act of 1958 [49 App. U.S.C. 1301 et seq.]” on authority of Pub. L. 103-272, §6(b), July 5, 1994, 108 Stat. 1378, the first section of which enacted subtitles II, III, and V to X of Title 49, Transportation.

Section was formerly classified to section 1857f-10 of this title.

§ 7573. State standards and controls

No State or political subdivision thereof may adopt or attempt to enforce any standard respecting emissions of any air pollutant from any aircraft or engine thereof unless such standard is identical to a standard applicable to such aircraft under this part.

(July 14, 1955, ch. 360, title II, §233, as added Pub. L. 91-604, §11(a)(1), Dec. 31, 1970, 84 Stat. 1704.)

CODIFICATION

Section was formerly classified to section 1857f-11 of this title.

§ 7574. Definitions

Terms used in this part (other than Administrator) shall have the same meaning as such terms have under section 40102(a) of title 49.

(July 14, 1955, ch. 360, title II, §234, as added Pub. L. 91-604, §11(a)(1), Dec. 31, 1970, 84 Stat. 1705.)

CODIFICATION

In text, “section 40102(a) of title 49” substituted for “section 101 of the Federal Aviation Act of 1958” on authority of Pub. L. 103-272, §6(b), July 5, 1994, 108 Stat. 1378, the first section of which enacted subtitles II, III, and V to X of Title 49, Transportation.

Section was formerly classified to section 1857f-12 of this title.

PART C—CLEAN FUEL VEHICLES

§ 7581. Definitions

For purposes of this part—

(1) Terms defined in part A

The definitions applicable to part A under section 7550 of this title shall also apply for purposes of this part.

(2) Clean alternative fuel

The term “clean alternative fuel” means any fuel (including methanol, ethanol, or

¹ So in original. The comma probably should not appear.

other alcohols (including any mixture thereof containing 85 percent or more by volume of such alcohol with gasoline or other fuels), reformulated gasoline, diesel, natural gas, liquefied petroleum gas, and hydrogen) or power source (including electricity) used in a clean-fuel vehicle that complies with the standards and requirements applicable to such vehicle under this subchapter when using such fuel or power source. In the case of any flexible fuel vehicle or dual fuel vehicle, the term “clean alternative fuel” means only a fuel with respect to which such vehicle was certified as a clean-fuel vehicle meeting the standards applicable to clean-fuel vehicles under section 7583(d)(2) of this title when operating on clean alternative fuel (or any CARB standards which replaces such standards pursuant to section 7583(e) of this title).

(3) NMOG

The term nonmethane organic gas (“NMOG”) means the sum of nonoxygenated and oxygenated hydrocarbons contained in a gas sample, including, at a minimum, all oxygenated organic gases containing 5 or fewer carbon atoms (i.e., aldehydes, ketones, alcohols, ethers, etc.), and all known alkanes, alkenes, alkynes, and aromatics containing 12 or fewer carbon atoms. To demonstrate compliance with a NMOG standard, NMOG emissions shall be measured in accordance with the “California Non-Methane Organic Gas Test Procedures”. In the case of vehicles using fuels other than base gasoline, the level of NMOG emissions shall be adjusted based on the reactivity of the emissions relative to vehicles using base gasoline.

(4) Base gasoline

The term “base gasoline” means gasoline which meets the following specifications:

Specifications of Base Gasoline Used as Basis for Reactivity Readjustment:	
API gravity	57.8
Sulfur, ppm	317
Color	Purple
Benzene, vol. %	1.35
Reid vapor pressure	8.7
Drivability	1195
Antiknock index	87.3
Distillation, D-86 °F	
IBP	92
10%	126
50%	219
90%	327
EP	414
Hydrocarbon Type, Vol. % FIA:	
Aromatics	30.9
Olefins	8.2
Saturates	60.9

The Administrator shall modify the definitions of NMOG, base gasoline, and the methods for making reactivity adjustments, to conform to the definitions and method used in California under the Low-Emission Vehicle and Clean Fuel Regulations of the California Air Resources Board, so long as the California definitions are, in the aggregate, at least as protective of public health and welfare as the definitions in this section.

(5) Covered fleet

The term “covered fleet” means 10 or more motor vehicles which are owned or operated by a single person. In determining the number of vehicles owned or operated by a single person for purposes of this paragraph, all motor vehicles owned or operated, leased or otherwise controlled by such person, by any person who controls such person, by any person controlled by such person, and by any person under common control with such person shall be treated as owned by such person. The term “covered fleet” shall not include motor vehicles held for lease or rental to the general public, motor vehicles held for sale by motor vehicle dealers (including demonstration vehicles), motor vehicles used for motor vehicle manufacturer product evaluations or tests, law enforcement and other emergency vehicles, or nonroad vehicles (including farm and construction vehicles).

(6) Covered fleet vehicle

The term “covered fleet vehicle” means only a motor vehicle which is—

- (i) in a vehicle class for which standards are applicable under this part; and
- (ii) in a covered fleet which is centrally fueled (or capable of being centrally fueled).

No vehicle which under normal operations is garaged at a personal residence at night shall be considered to be a vehicle which is capable of being centrally fueled within the meaning of this paragraph.

(7) Clean-fuel vehicle

The term “clean-fuel vehicle” means a vehicle in a class or category of vehicles which has been certified to meet for any model year the clean-fuel vehicle standards applicable under this part for that model year to clean-fuel vehicles in that class or category.

(July 14, 1955, ch. 360, title II, §241, as added Pub. L. 101-549, title II, §229(a), Nov. 15, 1990, 104 Stat. 2511.)

§ 7582. Requirements applicable to clean-fuel vehicles

(a) Promulgation of standards

Not later than 24 months after November 15, 1990, the Administrator shall promulgate regulations under this part containing clean-fuel vehicle standards for the clean-fuel vehicles specified in this part.

(b) Other requirements

Clean-fuel vehicles of up to 8,500 gvwr subject to standards set forth in this part shall comply with all motor vehicle requirements of this subchapter (such as requirements relating to on-board diagnostics, evaporative emissions, etc.) which are applicable to conventional gasoline-fueled vehicles of the same category and model year, except as provided in section 7584 of this title with respect to administration and enforcement, and except to the extent that any such requirement is in conflict with the provisions of this part. Clean-fuel vehicles of 8,500 gvwr or greater subject to standards set forth in this part shall comply with all requirements of this