

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

subchapter which are applicable in the case of conventional gasoline-fueled or diesel 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.

**(c) In-use useful life and testing**

(1) In the case of light-duty vehicles and light-duty trucks up to 6,000 lbs gvwr, the useful life for purposes of determining in-use compliance with the standards under section 7583 of this title shall be—

(A) a period of 5 years or 50,000 miles (or the equivalent) whichever first occurs, in the case of standards applicable for purposes of certification at 50,000 miles; and

(B) a period of 10 years or 100,000 miles (or the equivalent) whichever first occurs, in the case of standards applicable for purposes of certification at 100,000 miles, except that in-use testing shall not be done for a period beyond 7 years or 75,000 miles (or the equivalent) whichever first occurs.

(2) In the case of light-duty trucks of more than 6,000 lbs gvwr, the useful life for purposes of determining in-use compliance with the standards under section 7583 of this title shall be—

(A) a period of 5 years or 50,000 miles (or the equivalent) whichever first occurs in the case of standards applicable for purposes of certification at 50,000 miles; and

(B) a period of 11 years or 120,000 miles (or the equivalent) whichever first occurs in the case of standards applicable for purposes of certification at 120,000 miles, except that in-use testing shall not be done for a period beyond 7 years or 90,000 miles (or the equivalent) whichever first occurs.

(July 14, 1955, ch. 360, title II, § 242, as added Pub. L. 101-549, title II, § 229(a), Nov. 15, 1990, 104 Stat. 2513.)

**§ 7583. Standards for light-duty clean-fuel vehicles**

**(a) Exhaust standards for light-duty vehicles and certain light-duty trucks**

The standards set forth in this subsection shall apply in the case of clean-fuel vehicles which are light-duty trucks of up to 6,000 lbs. gross vehicle weight rating (gvwr) (but not including light-duty trucks of more than 3,750 lbs. loaded vehicle weight (lvw)) or light-duty vehicles:

**(1) Phase I**

Beginning with model year 1996, for the air pollutants specified in the following table, the clean-fuel vehicle standards under this section shall provide that vehicle exhaust emissions shall not exceed the levels specified in the following table:

**PHASE I CLEAN FUEL VEHICLE EMISSION STANDARDS FOR LIGHT-DUTY TRUCKS OF UP TO 3,750 LBS. LVW AND UP TO 6,000 LBS. GVWR AND LIGHT-DUTY VEHICLES**

Pollutant	NMOG	CO	NO <sub>x</sub>	PM	HCHO (formaldehyde)
50,000 mile standard.	0.125	3.4	0.4	.....	0.015
100,000 mile standard.	0.156	4.2	0.6	0.08*	0.018

Standards are expressed in grams per mile (gpm).  
 \*Standards for particulates (PM) shall apply only to diesel-fueled vehicles.  
 In the case of the 50,000 mile standards and the 100,000 mile standards, for purposes of certification, the applicable useful life shall be 50,000 miles or 100,000 miles, respectively.

**(2) Phase II**

Beginning with model year 2001, for air pollutants specified in the following table, the clean-fuel vehicle standards under this section shall provide that vehicle exhaust emissions shall not exceed the levels specified in the following table.

**PHASE II CLEAN FUEL VEHICLE EMISSION STANDARDS FOR LIGHT-DUTY TRUCKS OF UP TO 3,750 LBS. LVW AND UP TO 6,000 LBS. GVWR AND LIGHT-DUTY VEHICLES**

Pollutant	NMOG	CO	NO <sub>x</sub>	PM*	HCHO (formaldehyde)
50,000 mile standard.	0.075	3.4	0.2	.....	0.015
100,000 mile standard.	0.090	4.2	0.3	0.08	0.018

Standards are expressed in grams per mile (gpm).  
 \*Standards for particulates (PM) shall apply only to diesel-fueled vehicles.  
 In the case of the 50,000 mile standards and the 100,000 mile standards, for purposes of certification, the applicable useful life shall be 50,000 miles or 100,000 miles, respectively.

**(b) Exhaust standards for light-duty trucks of more than 3,750 lbs. LVW and up to 5,750 lbs. LVW and up to 6,000 lbs. GVWR**

The standards set forth in this paragraph<sup>1</sup> shall apply in the case of clean-fuel vehicles which are light-duty trucks of more than 3,750 lbs. loaded vehicle weight (lvw) but not more than 5,750 lbs. lvw and not more than 6,000 lbs. gross weight rating (GVWR):

**(1) Phase I**

Beginning with model year 1996, for the air pollutants specified in the following table, the clean-fuel vehicle standards under this section shall provide that vehicle exhaust emissions shall not exceed the levels specified in the following table.

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