

## Environmental Protection Agency

## § 86.096–14

(i) For vehicles with a Gross Vehicle Weight Rating of up to 14,000 lbs, 3.0 grams per test.

(ii) For vehicles with a Gross Vehicle Weight Rating of greater than 14,000 lbs, 4.0 grams per test.

(4) *Evaporative emissions* from 1996 and later model year heavy-duty vehicles equipped with natural gas-fueled or liquefied petroleum gas-fueled heavy-duty engines shall not exceed the following standards. The standards apply equally to certification and in-use vehicles.

(i) For vehicles with a Gross Vehicle Weight Rating of up to 14,000 pounds for the full three-diurnal test sequence described in §86.1230–96, diurnal plus hot soak measurements: 3.0 grams per test.

(ii) For vehicles with a Gross Vehicle Weight Rating of greater than 14,000 pounds for the full three-diurnal test sequence described in §86.1230–96, diurnal plus hot soak measurements: 4.0 grams per test.

(5)(i) For vehicles with a Gross Vehicle Weight Rating of up to 26,000 lbs, the standards set forth in paragraphs (b)(3) and (b)(4) of this section refer to a composite sample of evaporative emissions collected under the conditions and measured in accordance with the procedures set forth in subpart M of this part. For certification vehicles only, manufacturers may conduct testing to quantify a level of nonfuel background emissions for an individual test vehicle. Such a demonstration must include a description of the source(s) of emissions and an estimated decay rate. The demonstrated level of nonfuel background emissions may be subtracted from emission test results from certification vehicles if approved in advance by the Administrator.

(ii) For vehicles with a Gross Vehicle Weight Rating greater than 26,000 pounds, the standards set forth in paragraphs (b)(3)(ii) and (b)(4)(ii) of this section refer to the manufacturer's engineering design evaluation using good engineering practice (a statement of which is required in §86.091–23(b)(4)(ii)).

(c) No crankcase emissions shall be discharged into the ambient atmosphere from any new 1996 or later model year methanol-or gaseous-fueled diesel, or any naturally aspirated diesel heavy-duty engine. For petroleum-

fueled engines only, this provision does not apply to engines using turbochargers, pumps, blowers, or superchargers for air induction. This provision is optional for all 1996 model year gaseous-fueled diesel heavy-duty engines, and for 1997 model year gaseous-fueled diesel heavy-duty engines using turbochargers, pumps, blowers or superchargers for air induction.

(d) Every manufacturer of new motor vehicle engines subject to the standards prescribed in this section shall, prior to taking any of the actions specified in section 203(a)(1) of the Act, test or cause to be tested motor vehicle engines in accordance with applicable procedures in subpart I or N of this part to ascertain that such test engines meet the requirements of paragraphs (a), (b), (c), and (d) of this section.

[58 FR 15799, Mar. 24, 1993, as amended at 59 FR 48500, Sept. 21, 1994; 60 FR 43887, Aug. 23, 1995; 62 FR 47120, Sept. 5, 1997]

### § 86.096–14 Small-volume manufacturer certification procedures.

Section 86.096–14 includes text that specifies requirements that differ from those specified in §§86.094–14 and 86.095–14. Where a paragraph in §86.094–14 or §86.095–14 is identical and applicable to §86.096–14, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see §86.094–14” or “[Reserved]. For guidance see §86.095–14.” Where a corresponding paragraph of §86.094–14 or §86.095–14 is not applicable, this is indicated by the statement “[Reserved].”

(a)–(c)(11)(ii)(B)(15) [Reserved]. For guidance see §86.094–14.

(c)(11)(ii)(B)(16)–(c)(11)(ii)(B)(18) [Reserved]. For guidance see §86.095–14.

(c)(11)(ii)(B)(19) For each light-duty vehicle, light-duty truck, or heavy-duty vehicle evaporative emission family, a description of any unique procedures required to perform evaporative emission tests (including canister working capacity, canister bed volume, and fuel temperature profile for the running loss test) for all vehicles in that evaporative emission family, and a description of the method used to develop those unique procedures.

**§ 86.096-21**

(20) For each light-duty vehicle, light-duty truck, or heavy-duty vehicle evaporative emission family:

(i) Canister working capacity, according to the procedures specified in § 86.132-96(h)(1)(iv);

(ii) Canister bed volume; and

(iii) Fuel temperature profile for the running loss test, according to the procedures specified in § 86.129-94(d).

(c)(11)(ii)(C)-(c)(11)(ii)(D)(5) [Reserved]. For guidance see § 86.095-14.

(c)(11)(ii)(D)(6) [Reserved]

(c)(11)(ii)(D)(7)-(c)(15) [Reserved]. For guidance see § 86.094-14.

[58 FR 16023, Mar. 24, 1993]

**§ 86.096-21 Application for certification.**

Section 86.096-21 includes text that specifies requirements that differ from § 86.094-21. Where a paragraph in § 86.094-21 is identical and applicable to § 86.096-21, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see § 86.094-21.”

(a)-(b)(8) [Reserved]. For guidance see § 86.094-21.

(b)(9) For each light-duty vehicle, light-duty truck, or heavy-duty vehicle evaporative emission family, a description of any unique procedures required to perform evaporative emission tests (including canister working capacity, canister bed volume, and fuel temperature profile for the running loss test) for all vehicles in that evaporative emission family, and a description of the method used to develop those unique procedures.

(10) For each light-duty vehicle, light-duty truck, or heavy-duty vehicle evaporative emission family:

(i) Canister working capacity, according to the procedures specified in § 86.132-96(h)(1)(iv);

(ii) Canister bed volume; and

(iii) Fuel temperature profile for the running loss test, according to the procedures specified in § 86.129-94(d).

(c)-(j) [Reserved]. For guidance see § 86.094-21.

(k) For light-duty vehicles and light-duty trucks, a manufacturer with an engine family that cannot be appropriately tested on all Certification Short Test emission test procedures described in § 86.1439 of this part may re-

**40 CFR Ch. I (7-1-04 Edition)**

quest an exemption, as described in § 86.1427 (d), from the inappropriate test(s) for purposes of demonstrating compliance with the Certification Short Test as described in subpart O of this part.

(l) For light-duty vehicles and light-duty trucks, a manufacturer with an engine family that can be appropriately tested on none of the Certification Short Test emission test procedures described in § 86.1439 of this part may request an alternative procedure as described in § 86.1427 (d).

[58 FR 16023, Mar. 24, 1993, as amended at 58 FR 34536, June 28, 1993; 58 FR 58417, Nov. 1, 1993; 59 FR 33913, July 1, 1994; 60 FR 34335, June 30, 1995]

**§ 86.096-23 Required data.**

Section 86.096-23 includes text that specifies requirements that differ from those specified in § 86.095-23. Where a paragraph in § 86.095-23 is identical and applicable to § 86.096-23, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]”. For guidance see § 86.095-23.

(a)-(l) [Reserved]. For guidance see § 86.095-23.

(m) Additionally, except for small-volume manufacturers, manufacturers certifying vehicles shall submit for each model year 1996 through 1998 light-duty vehicle, light-duty truck, and gasoline-fueled heavy-duty vehicle evaporative family:

(1) In the application for certification the projected sales volume of evaporative families certifying to the respective evaporative test procedure and accompanying standards as set forth or otherwise referenced in §§ 86.090-8, 86.090-9, and 86.091-10 or those set forth or otherwise referenced in §§ 86.096-8, 86.096-9, and 86.096-10. Volume projected to be produced for U.S. sale may be used in lieu of projected U.S. sales.

(2) End-of-year reports for each evaporative family.

(i) These end-of-year reports shall be submitted within 90 days of the end of the model year to: Director, Manufacturers Operations Division (6405J), U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460.