

Administrator that the designated fuel is readily available commercially and would be used in customer service.

(j) *Credit apportionment.* At the manufacturer's option, credits generated from diesel-cycle heavy-duty engines under the provisions described in this section may be sold to or otherwise provided to the another party for use in programs other than the averaging, trading and banking program described in this section.

(1) The manufacturer shall pre-identify two emission levels per engine family for the purposes of credit apportionment. One emission level shall be the FEL and the other shall be the level of the standard that the engine family is required to certify to under § 86.004-11. For each engine family, the manufacturer may report engine sales in two categories, "ABT-only credits" and "nonmanufacturer-owned credits".

(i) For engine sales reported as "ABT-only credits", the credits generated must be used solely in the ABT program described in this section.

(ii) The engine manufacturer may declare a portion of engine sales "nonmanufacturer-owned credits" and this portion of the credits generated between the standard and the FEL, based on the calculation in (c)(1) of this section, would belong to the engine purchaser. For ABT, the manufacturer may not generate any credits for the engine sales reported as "nonmanufacturer-owned credits". Engines reported as "nonmanufacturer-owned credits" shall comply with the FEL and the requirements of the ABT program in all other respects.

(2) Only manufacturer-owned credits reported as "ABT-only credits" shall be used in the averaging, trading, and banking provisions described in this section.

(3) Credits shall not be double-counted. Credits used in the ABT program may not be provided to an engine purchaser for use in another program.

(4) Manufacturers shall determine and state the number of engines sold as "ABT-only credits" and "nonmanufacturer-owned credits" in the end-of-model year reports required under § 86.001-23.

(k) *Additional Flexibility.* If a diesel-cycle engine family meets the condi-

tions of either paragraph (k)(1) or (2) of this section, a Discount of 1.0 may be used in the trading and banking calculation, for both NO_x plus NMHC and for particulate, described in paragraph (c)(1) of this section.

(1) The engine family certifies with a certification level of 1.9 g/bhp-hr NO_x plus NMHC or lower for all diesel-cycle engine families.

(2) All of the following must apply to the engine family:

(i) Diesel-cycle engines only;

(ii) 2004, 2005, and 2006 model years only;

(iii) Must be an engine family using carry-over certification data from prior to model year 2004 where the NO_x plus the HC certification level prior to model year 2004 is below the NO_x plus NMHC or NO_x plus NMHCE standard set forth in § 86.004-11. Under this option, the NO_x credits generated from this engine family prior to model year 2004 may be used as NO_x plus NMHC credits.

[62 FR 54722, Oct. 21, 1997]

§ 86.004-21 Application for certification.

Section 86.004-21 includes text that specifies requirements that differ from § 86.094-21 or § 86.096-21. Where a paragraph in § 86.094-21 or § 86.096-21 is identical and applicable to § 86.004-21, this may be indicated by specifying the corresponding paragraph and the statement "[Reserved]. For guidance see § 86.094-21." or "[Reserved]. For guidance see § 86.096-21."

(a) through (b)(3) [Reserved]. For guidance see § 86.094-21.

(b)(4)(i) For light-duty vehicles and light-duty trucks, a description of the test procedures to be used to establish the evaporative emission and/or refueling emission deterioration factors, as appropriate, required to be determined and supplied in § 86.001-23(b)(2).

(b)(4)(ii) through (b)(5)(iv) [Reserved]. For guidance see § 86.094-21.

(b)(5)(v) For light-duty vehicles and applicable light-duty trucks with non-integrated refueling emission control systems, the number of continuous UDDS cycles, determined from the fuel economy on the UDDS applicable to

the test vehicle of that evaporative/refueling emission family-emission control system combination, required to use a volume of fuel equal to 85% of fuel tank volume.

(6) *Participation in averaging programs*—(i) *Particulate averaging*. (A) If the manufacturer elects to participate in the particulate averaging program for diesel light-duty vehicles and/or diesel light-duty trucks or the particulate averaging program for heavy-duty diesel engines, the application must list the family particulate emission limit and the projected U.S. production volume of the family for the model year.

(B) The manufacturer shall choose the level of the family particulate emission limits, accurate to hundredth of a gram per mile or hundredth of a gram per brake horsepower-hour for HDEs.

(C) The manufacturer may at any time during production elect to change the level of any family particulate emission limit(s) by submitting the new limit(s) to the Administrator and by demonstrating compliance with the limit(s) as described in §§ 86.090-2 and 86.094-28(b)(5)(i).

(ii) *NO_x and NO_x plus NMHC averaging*. (A) If the manufacturer elects to participate in the NO_x averaging program for light-duty trucks or otto-cycle HDEs or the NO_x plus NMHC averaging program for diesel-cycle HDEs, the application must list the family emission limit and the projected U.S. production volume of the family for the model year.

(B) The manufacturer shall choose the level of the family emission limits, accurate to one-tenth of a gram per mile or to one-tenth of a gram per brake horsepower-hour for HDEs.

(C) The manufacturer may at any time during production elect to change the level of any family emission limit(s) by submitting the new limits to the Administrator and by demonstrating compliance with the limit(s) as described in §§ 86.088-2 and 86.094-28(b)(5)(ii).

(b)(7) and (b)(8) [Reserved]. For guidance see § 86.094-21.

(b)(9) For each light-duty vehicle, light-duty truck, evaporative/refueling emission family or heavy-duty vehicle

evaporative emission family, a description of any unique procedures required to perform evaporative and/or refueling emission tests, as applicable, (including canister working capacity, canister bed volume, and fuel temperature profile for the running loss test) for all vehicles in that evaporative and/or evaporative/refueling emission family, and a description of the method used to develop those unique procedures.

(10) For each light-duty vehicle or applicable light-duty truck evaporative/refueling emission family, or each 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) through (j) [Reserved]. For guidance see § 86.094-21.

(k) and (l) [Reserved]. For guidance see § 86.096-21.

[62 FR 54724, Oct. 21, 1997]

§ 86.004-25 Maintenance.

Section 86.004-25 includes text that specifies requirements that differ from § 86.094-25 or § 86.098-25. Where a paragraph in § 86.094-25 or § 86.098-25 is identical and applicable to § 86.004-25, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see § 86.094-25.” or “[Reserved]. For guidance see § 86.098-25.”.

(a)(1) *Applicability*. This section applies to light-duty vehicles, light-duty trucks, and HDEs.

(2) *Maintenance performed on vehicles, engines, subsystems, or components used to determine exhaust, evaporative or refueling emission deterioration factors, as appropriate, is classified as either emission-related or non-emission-related and each of these can be classified as either scheduled or unscheduled. Further, some emission-related maintenance is also classified as critical emission-related maintenance.*

(b) *Introductory text through (b)(3)(ii) [Reserved]. For guidance see § 86.094-25.*