

Environmental Protection Agency

§ 86.203-94

the procedures for calculating mass emission results of each regulated exhaust pollutant for the test schedules of FTP, US06, and SC03.

(b) The provisions of § 86.144-94(a) are applicable to this section. These provisions provide the procedures for determining the weighted mass emissions for the FTP test schedule (Y_{wm}).

(c)(1) When the test vehicle is equipped with air conditioning, the final reported test results for the SFTP composite (NMHC+NO_x) and optional composite CO standards shall be computed by the following formulas.

$$(i) \quad Y_{WSFTP} = 0.35(Y_{FTP}) + 0.37(Y_{SC03}) + 0.28(Y_{US06})$$

Where:

(A) Y_{WSFTP} = Mass emissions per mile for a particular pollutant weighted in terms of the contributions from the FTP, SC03, and US06 schedules. Values of Y_{WSFTP} are obtained for each of the exhaust emissions of NMHC, NO_x, and CO.

(B) Y_{FTP} = Weighted mass emissions per mile (Y_{wm}) based on the measured driving distance of the FTP test schedule.

(C) Y_{SC03} = Calculated mass emissions per mile based on the measured driving distance of the SC03 test schedule.

(D) Y_{US06} = Calculated mass emissions per mile based on the measured driving distance of the US06 test schedule.

$$(ii) \quad \text{Composite (NMHC+NO}_x\text{)} = Y_{WSFTP}(\text{NMHC}) + W_{SFTP}(\text{NO}_x)$$

Where:

(A) $Y_{WSFTP}(\text{NMHC})$ = results of paragraph (c)(1)(i) of this section for NMHC.

(B) $Y_{WSFTP}(\text{NO}_x)$ = results of paragraph (c)(1)(i) of this section for NO_x.

(2) When the test vehicle is not equipped with air conditioning, the relationship of paragraph (c)(1)(i) of this section is:

$$(i) \quad Y_{WSFTP} = 0.72(Y_{FTP}) + 0.28(Y_{US06})$$

Where:

(A) Y_{WSFTP} = Mass emissions per mile for a particular pollutant weighted in terms of the contributions from the FTP and US06 schedules. Values of Y_{WSFTP} are obtained for each of the exhaust emissions of NMHC, NO_x, and CO.

(B) Y_{FTP} = Weighted mass emissions per mile (Y_{wm}) based on the measured driving distance of the FTP test schedule.

(C) Y_{US06} = Calculated mass emissions per mile based on the measured driving distance of the US06 test schedule.

$$(ii) \quad \text{Composite (NMHC+NO}_x\text{)} = Y_{WSFTP}(\text{NMHC}) + Y_{WSFTP}(\text{NO}_x)$$

Where:

(A) $Y_{WSFTP}(\text{NMHC})$ = results of paragraph (c)(2)(i) of this section for NMHC.

(B) $Y_{WSFTP}(\text{NO}_x)$ = results of paragraph (c)(2)(i) of this section for NO_x.

(d) The NO_x humidity correction factor for adjusting NO_x test results to the environmental test cell air conditioning ambient condition of 100 grains of water/pound of dry air is:

$$K_H(100) = 0.8825/[1 - 0.0047(H - 75)]$$

Where:

H = measured test humidity in grains of water/pound of dry air.

[61 FR 54900, Oct. 22, 1996]

Subpart C—Emission Regulations for 1994 and Later Model Year Gasoline-Fueled New Light-Duty Vehicles, New Light-Duty Trucks and New Medium-Duty Passenger Vehicles; Cold Temperature Test Procedures

SOURCE: 57 FR 31916, July 17, 1992, unless otherwise noted.

§ 86.201-94 General applicability.

(a) This subpart describes procedures for determining the cold temperature carbon monoxide (CO) emission from 1994 and later model year new gasoline-fueled light-duty vehicles and light-duty trucks.

(b) All of the provisions of this subpart are applicable to testing conducted at a nominal temperature of 20 °F (-7 °C).

(c) The provisions that are specially applicable to testing at temperatures between 25 °F (-4 °C) and 68 °F (20 °C) are specified in § 86.246-94 of this subpart.

§ 86.202-94 Definitions.

The definitions in subpart A of this part apply to this subpart.

§ 86.203-94 Abbreviations.

The abbreviations in subpart A of this part apply to this subpart.