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

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 (Ywm) 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) Composite (NMHC=NO_X) + Y_{WSFTP}(NMHC) W_{SFTP}(NO_X)

Where:

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

(B) Y_{WSFTP}(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) $Y_{WSFTP}=0.72(Y_{FTP})+0.28(Y_{US06})$

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 (Ywm) 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) Composite (NMHC+NO_X) = Y_{WSFTP}(NMHC) + Y_{WSFTP}(NO_X)

Where:

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

(B) Y_{WSFTP}(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.