

is not limited to, production information for each unique footprint within each model type contained in the model year report and the formula used to calculate the required fuel economy level and fleet average CO₂ emission standards. Model year reports shall include a statement that the method of measuring vehicle track width, measuring vehicle wheelbase and calculating vehicle footprint is accurate and complies with applicable Department of Transportation and EPA requirements.

(11) A detailed (but easy to understand) list of vehicle models and the applicable in-use CREE emission standard. The list of models shall include the applicable carline/subconfiguration parameters (including carline, equivalent test weight, road-load horsepower, axle ratio, engine code, transmission class, transmission configuration and basic engine); the test parameters (ETW and a, b, c, dynamometer coefficients) and the associated CREE emission standard. The manufacturer shall provide the method of identifying EPA engine code for applicable in-use vehicles.

[75 FR 25717, May 7, 2010, as amended at 76 FR 39569, July 6, 2011]

§ 600.513-08 Gas Guzzler Tax.

(a) This section applies only to passenger automobiles sold after December 27, 1991, regardless of the model year of those vehicles. For alcohol dual fuel and natural gas dual fuel automobiles, the fuel economy while such automobiles are operated on gasoline will be used for Gas Guzzler Tax assessments.

(1) The provisions of this section do not apply to passenger automobiles exempted for Gas Guzzler Tax assessments by applicable Federal law and regulations. However, the manufacturer of an exempted passenger automobile may, in its discretion, label such vehicles in accordance with the provisions of this section.

(2) For 1991 and later model year passenger automobiles, the combined FTP/HFET-based model type fuel economy value determined in §600.208 used for Gas Guzzler Tax assessments shall be calculated in accordance with the fol-

lowing equation, rounded to the nearest 0.1 mpg:

$$FE_{adj} = FE \left[\frac{((0.55 \times a_g \times c) + (0.45 \times c) + (0.5556 \times a_g) + 0.4487)}{((0.55 \times a_g) + 0.45)} \right] + IW_g$$

Where:

FE_{adj} = Fuel economy value to be used for determination of gas guzzler tax assessment rounded to the nearest 0.1 mpg.

FE = Combined model type fuel economy calculated in accordance with §600.208, rounded to the nearest 0.0001 mpg.

a_g = Model type highway fuel economy, calculated in accordance with §600.208, rounded to the nearest 0.0001 mpg divided by the model type city fuel economy calculated in accordance with §600.208, rounded to the nearest 0.0001 mpg. The quotient shall be rounded to 4 decimal places.

c = gas guzzler adjustment factor = 1.300 × 10⁻³ for the 1986 and later model years.

$$IW_g = (9.2917 \times 10^{-3} \times SF_{3IWCG} FE_{3IWCG}) - (3.5123 \times 10^{M3} \times SF_{4ETWG} \times FE_{4IWCG}).$$

NOTE: Any calculated value of IW less than zero shall be set equal to zero.

SF_{3IWCG} = The 3000 lb. inertia weight class sales in the model type divided by the total model type sales; the quotient shall be rounded to 4 decimal places.

SF_{4ETWG} = The 4000 lb. equivalent test weight sales in the model type divided by the total model type sales, the quotient shall be rounded to 4 decimal places.

FE_{3IWCG} = The 3000 lb. inertial weight class base level combined fuel economy used to calculate the model type fuel economy rounded to the nearest 0.0001 mpg.

FE_{4IWCG} = The 4000 lb. inertial weight class base level combined fuel economy used to calculate the model type fuel economy rounded to the nearest 0.001 mpg.

(b)(1) For passenger automobiles sold after December 31, 1990, with a combined FTP/HFET-based model type fuel economy value of less than 22.5 mpg (as determined in §600.208), calculated in accordance with paragraph (a)(2) of this section and rounded to the nearest 0.1 mpg, each vehicle fuel economy label shall include a Gas Guzzler Tax statement pursuant to 49 U.S.C. 32908(b)(1)(E). The tax amount stated shall be as specified in paragraph (b)(2) of this section.

(2) For passenger automobiles with a combined general label model type fuel economy value of:

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At least * * *	but less than * * *	the Gas Guzzler Tax statement shall show a tax of * * *
(i) 22.5	\$0
(ii) 21.5	22.5	\$1,000
(iii) 20.5	21.5	\$1,300
(iv) 19.5	20.5	\$1,700
(v) 18.5	19.5	\$2,100
(vi) 17.5	18.5	\$2,600
(vii) 16.5	17.5	\$3,000
(viii) 15.5	16.5	\$3,700
(ix) 14.5	15.5	\$4,500
(x) 13.5	14.5	\$5,400
(xi) 12.5	13.5	\$6,400
(xii) —	12.5	\$7,700

[76 FR 39569, July 6, 2011]

§ 600.514-12 Reports to the Environmental Protection Agency.

This section establishes requirements for automobile manufacturers to submit reports to the Environmental Protection Agency regarding their efforts to reduce automotive greenhouse gas emissions.

(a) *General Requirements.* (1) For each model year, each manufacturer shall submit a pre-model year report.

(2) The pre-model year report required by this section for each model year must be submitted before the model year begins and before the certification of any test group, no later than December 31 of the calendar year two years before the model year. For example the pre-model year report for the 2012 model year must be submitted no later than December 31, 2010.

(3) Each report required by this section must:

- (i) Identify the report as a pre-model year report;
- (ii) Identify the manufacturer submitting the report;
- (iii) State the full name, title, and address of the official responsible for preparing the report;
- (iv) Be submitted to: Director, Compliance and Innovative Strategies Division, U.S. Environmental Protection Agency, 2000 Traverwood, Ann Arbor, Michigan 48105;
- (v) Identify the current model year;
- (vi) Be written in the English language; and
- (vii) Be based upon all information and data available to the manufacturer approximately 30 days before the report is submitted to the Administrator.

(b) *Content of pre-model year reports.* (1) Each pre-model year report must in-

clude the following information for each compliance category for the applicable future model year and to the extent possible, two model years into the future:

(i) The manufacturer's estimate of its footprint-based fleet average CO₂ standards (including temporary lead time allowance alternative standards, if applicable);

(ii) Projected total and model-level production volumes for each applicable standard category;

(iii) Projected fleet average CO₂ compliance level for each applicable standard category; and the model-level CO₂ emission values which form the basis of the projection;

(iv) Projected fleet average CO₂ credit/debit status for each applicable standard category;

(v) A description of the various credit, transfer and trading options that will be used to comply with each applicable standard category, including the amount of credit the manufacturer intends to generate for air conditioning leakage, air conditioning efficiency, off-cycle technology, advanced technology vehicles, hybrid or low-emission full size pickup trucks, and various early credit programs;

(vi) A description of the method which will be used to calculate the carbon-related exhaust emissions for any electric vehicles, fuel cell vehicles and plug-in hybrid vehicles;

(vii) A summary by model year (beginning with the 2009 model year) of the number of electric vehicles, fuel cell vehicles, plug-in hybrid electric vehicles, dedicated compressed natural gas vehicles, and dual fuel natural gas vehicles using (or projected to use) the advanced technology vehicle credit and incentives program, including the projected use of production multipliers;

(viii) The methodology which will be used to comply with N₂O and CH₄ emission standards; and

(ix) Notification of the manufacturer's intent to exclude emergency vehicles from the calculation of fleet average standards and the end-of-year fleet average, including a description of the excluded emergency vehicles and the quantity of such vehicles excluded.

(x) Other information requested by the Administrator.