

**§ 7511f. NO<sub>x</sub> and VOC study**

The Administrator, in conjunction with the National Academy of Sciences, shall conduct a study on the role of ozone precursors in tropospheric ozone formation and control. The study shall examine the roles of NO<sub>x</sub> and VOC emission reductions, the extent to which NO<sub>x</sub> reductions may contribute (or be counterproductive) to achievement of attainment in different nonattainment areas, the sensitivity of ozone to the control of NO<sub>x</sub>, the availability and extent of controls for NO<sub>x</sub>, the role of biogenic VOC emissions, and the basic information required for air quality models. The study shall be completed and a proposed report made public for 30 days comment within 1 year of November 15, 1990, and a final report shall be submitted to Congress within 15 months after November 15, 1990. The Administrator shall utilize all available information and studies, as well as develop additional information, in conducting the study required by this section.

(July 14, 1955, ch. 360, title I, § 185B, as added Pub. L. 101-549, title I, § 103, Nov. 15, 1990, 104 Stat. 2452.)

#### SUBPART 3—ADDITIONAL PROVISIONS FOR CARBON MONOXIDE NONATTAINMENT AREAS

**§ 7512. Classification and attainment dates****(a) Classification by operation of law and attainment dates for nonattainment areas**

(1) Each area designated nonattainment for carbon monoxide pursuant to section 7407(d) of this title shall be classified at the time of such designation under table 1, by operation of law, as a Moderate Area or a Serious Area based on the design value for the area. The design value shall be calculated according to the interpretation methodology issued by the Administrator most recently before November 15, 1990. For each area classified under this subsection, the primary standard attainment date for carbon monoxide shall be as expeditiously as practicable but not later than the date provided in table 1:

TABLE 3<sup>1</sup>

Area classification	Design value	Primary standard attainment date
Moderate .....	9.1–16.4 ppm .....	December 31, 1995
Serious .....	16.5 and above ...	December 31, 2000

(2) At the time of publication of the notice required under section 7407 of this title (designating carbon monoxide nonattainment areas), the Administrator shall publish a notice announcing the classification of each such carbon monoxide nonattainment area. The provisions of section 7502(a)(1)(B) of this title (relating to lack of notice-and-comment and judicial review) shall apply with respect to such classification.

(3) If an area classified under paragraph (1), table 1, would have been classified in another category if the design value in the area were 5 percent greater or 5 percent less than the level on which such classification was based, the Ad-

ministrator may, in the Administrator's discretion, within 90 days after November 15, 1990, by the procedure required under paragraph (2), adjust the classification of the area. In making such adjustment, the Administrator may consider the number of exceedances of the national primary ambient air quality standard for carbon monoxide in the area, the level of pollution transport between the area and the other affected areas, and the mix of sources and air pollutants in the area. The Administrator may make the same adjustment for purposes of paragraphs (2), (3), (6), and (7) of section 7512a(a) of this title.

(4) Upon application by any State, the Administrator may extend for 1 additional year (hereinafter in this subpart referred to as the "Extension Year") the date specified in table 1 of subsection (a) of this section if—

(A) the State has complied with all requirements and commitments pertaining to the area in the applicable implementation plan, and

(B) no more than one exceedance of the national ambient air quality standard level for carbon monoxide has occurred in the area in the year preceding the Extension Year.

No more than 2 one-year extensions may be issued under this paragraph for a single nonattainment area.

**(b) New designations and reclassifications****(1) New designations to nonattainment**

Any area that is designated attainment or unclassifiable for carbon monoxide under section 7407(d)(4) of this title, and that is subsequently redesignated to nonattainment for carbon monoxide under section 7407(d)(3) of this title, shall, at the time of the redesignation, be classified by operation of law in accordance with table 1 under subsections (a)(1) and (a)(4) of this section. Upon its classification, the area shall be subject to the same requirements under section 7410 of this title, subpart 1 of this part, and this subpart that would have applied had the area been so classified at the time of the notice under subsection (a)(2) of this section, except that any absolute, fixed date applicable in connection with any such requirement is extended by operation of law by a period equal to the length of time between November 15, 1990, and the date the area is classified.

**(2) Reclassification of Moderate Areas upon failure to attain****(A) General rule**

Within 6 months following the applicable attainment date for a carbon monoxide nonattainment area, the Administrator shall determine, based on the area's design value as of the attainment date, whether the area has attained the standard by that date. Any Moderate Area that the Administrator finds has not attained the standard by that date shall be reclassified by operation of law in accordance with table 1 of subsection (a)(1) of this section as a Serious Area.

**(B) Publication of notice**

The Administrator shall publish a notice in the Federal Register, no later than 6

<sup>1</sup> So in original. Probably should be "TABLE 1".

months following the attainment date, identifying each area that the Administrator has determined, under subparagraph (A), as having failed to attain and identifying the reclassification, if any, described under subparagraph (A).

**(c) References to terms**

Any reference in this subpart to a "Moderate Area" or a "Serious Area" shall be considered a reference to a Moderate Area or a Serious Area, respectively, as classified under this section.

(July 14, 1955, ch. 360, title I, § 186, as added Pub. L. 101-549, title I, § 104, Nov. 15, 1990, 104 Stat. 2452.)

**§ 7512a. Plan submissions and requirements**

**(a) Moderate Areas**

Each State in which all or part of a Moderate Area is located shall, with respect to the Moderate Area (or portion thereof), to the extent specified in guidance of the Administrator issued before November 15, 1990, submit to the Administrator the State implementation plan revisions (including the plan items) described under this subsection, within such periods as are prescribed under this subsection, except to the extent the State has made such submissions as of November 15, 1990:

**(1) Inventory**

No later than 2 years from November 15, 1990, the State shall submit a comprehensive, accurate, current inventory of actual emissions from all sources, as described in section 7502(c)(3) of this title, in accordance with guidance provided by the Administrator.

**(2)(A) Vehicle miles traveled**

No later than 2 years after November 15, 1990, for areas with a design value above 12.7 ppm at the time of classification, the plan revision shall contain a forecast of vehicle miles traveled in the nonattainment area concerned for each year before the year in which the plan projects the national ambient air quality standard for carbon monoxide to be attained in the area. The forecast shall be based on guidance which shall be published by the Administrator, in consultation with the Secretary of Transportation, within 6 months after November 15, 1990. The plan revision shall provide for annual updates of the forecasts to be submitted to the Administrator together with annual reports regarding the extent to which such forecasts proved to be accurate. Such annual reports shall contain estimates of actual vehicle miles traveled in each year for which a forecast was required.

**(B) Special rule for Denver**

Within 2 years after November 15, 1990, in the case of Denver, the State shall submit a revision that includes the transportation control measures as required in section 7511a(d)(1)(A) of this title except that such revision shall be for the purpose of reducing CO emissions rather than volatile organic compound emissions. If the State fails to include any such measure, the implementation plan shall contain an explanation of why such

measure was not adopted and what emissions reduction measure was adopted to provide a comparable reduction in emissions, or reasons why such reduction is not necessary to attain the national primary ambient air quality standard for carbon monoxide.

**(3) Contingency provisions**

No later than 2 years after November 15, 1990, for areas with a design value above 12.7 ppm at the time of classification, the plan revision shall provide for the implementation of specific measures to be undertaken if any estimate of vehicle miles traveled in the area which is submitted in an annual report under paragraph (2) exceeds the number predicted in the most recent prior forecast or if the area fails to attain the national primary ambient air quality standard for carbon monoxide by the primary standard attainment date. Such measures shall be included in the plan revision as contingency measures to take effect without further action by the State or the Administrator if the prior forecast has been exceeded by an updated forecast or if the national standard is not attained by such deadline.

**(4) Savings clause for vehicle inspection and maintenance provisions of the State implementation plan**

Immediately after November 15, 1990, for any Moderate Area (or, within the Administrator's discretion, portion thereof), the plan for which is of the type described in section 7511a(a)(2)(B) of this title any provisions necessary to ensure that the applicable implementation plan includes the vehicle inspection and maintenance program described in section 7511a(a)(2)(B) of this title.

**(5) Periodic inventory**

No later than September 30, 1995, and no later than the end of each 3 year period thereafter, until the area is redesignated to attainment, a revised inventory meeting the requirements of subsection (a)(1) of this section.

**(6) Enhanced vehicle inspection and maintenance**

No later than 2 years after November 15, 1990, in the case of Moderate Areas with a design value greater than 12.7 ppm at the time of classification, a revision that includes provisions for an enhanced vehicle inspection and maintenance program as required in section 7511a(c)(3) of this title (concerning serious ozone nonattainment areas), except that such program shall be for the purpose of reducing carbon monoxide rather than hydrocarbon emissions.

**(7) Attainment demonstration and specific annual emission reductions**

In the case of Moderate Areas with a design value greater than 12.7 ppm at the time of classification, no later than 2 years after November 15, 1990, a revision to provide, and a demonstration that the plan as revised will provide, for attainment of the carbon monoxide NAAQS by the applicable attainment date and provisions for such specific annual emission reductions as are necessary to attain the standard by that date.