

Environmental Protection Agency

§51.1008

(1) For an area that violates the annual $PM_{2.5}$ NAAQS as of its attainment date, the two-year average of annual average concentrations at each monitor, based on the first extension year and the previous year, is $15.0 \mu g/m^3$ or less (calculated according to the data analysis requirements in 40 CFR part 50, appendix N).

(2) For an area that violates the 24-hour $PM_{2.5}$ NAAQS as of its attainment date, the two-year average of annual 98th percentile concentrations at each monitor, based on the first extension year and the previous year, is $65 \mu g/m^3$ or less (calculated according to the data analysis requirements in 40 CFR part 50, appendix N).

§51.1006 Redesignation to nonattainment following initial designations for the $PM_{2.5}$ NAAQS.

Any area that is initially designated “attainment/unclassifiable” for the $PM_{2.5}$ NAAQS may be subsequently redesignated to nonattainment if ambient air quality data in future years indicate that such a redesignation is appropriate. For any such area that is redesignated to nonattainment for the $PM_{2.5}$ NAAQS, any absolute, fixed date that is applicable in connection with the requirements of this part is extended by a period of time equal to the length of time between the effective date of the initial designation for the $PM_{2.5}$ NAAQS and the effective date of redesignation, except as otherwise provided in this subpart.

§51.1007 Attainment demonstration and modeling requirements.

(a) For any area designated as nonattainment for the $PM_{2.5}$ NAAQS, the State must submit an attainment demonstration showing that the area will attain the annual and 24-hour standards as expeditiously as practicable. The demonstration must meet the requirements of §51.112 and Appendix W of this part and must include inventory data, modeling results, and emission reduction analyses on which the State has based its projected attainment date. The attainment date justified by the demonstration must be consistent with the requirements of §51.1004(a). The modeled strategies must be consistent with requirements in §51.1009

for RFP and in §51.1010 for RACT and RACM. The attainment demonstration and supporting air quality modeling should be consistent with EPA’s $PM_{2.5}$ modeling guidance.

(b) *Required time frame for obtaining emissions reductions.* For each nonattainment area, the State implementation plan must provide for implementation of all control measures needed for attainment as expeditiously as practicable, but no later than the beginning of the year prior to the attainment date. Consistent with section 172(c)(1) of the Act, the plan must provide for implementation of all RACM and RACT as expeditiously as practicable. The plan also must include RFP milestones in accordance with §51.1009, and control measures needed to meet these milestones, as necessary.

§51.1008 Emission inventory requirements for the $PM_{2.5}$ NAAQS.

(a) For purposes of meeting the emission inventory requirements of section 172(c)(3) of the Act for nonattainment areas, the State shall, no later than three years after designation:

(1) Submit to EPA Statewide emission inventories for direct $PM_{2.5}$ emissions and emissions of $PM_{2.5}$ precursors. For purposes of defining the data elements for these inventories, the $PM_{2.5}$ and $PM_{2.5}$ precursor-relevant data element requirements under subpart A of this part shall apply.

(2) Submit any additional emission inventory information needed to support an attainment demonstration and RFP plan ensuring expeditious attainment of the annual and 24-hour $PM_{2.5}$ standards.

(b) For inventories required for submission under paragraph (a) of this section, a baseline emission inventory is required for the attainment demonstration required under §51.1007 and for meeting RFP requirements under §51.1009. As determined on the date of designation, the base year for this inventory shall be the most recent calendar year for which a complete inventory was required to be submitted to EPA pursuant to subpart A of this part. The baseline emission inventory for calendar year 2002 or other suitable year shall be used for attainment planning and RFP plans for areas initially