

Appendix 4

Nonattainment Area SIP Template

I. INTRODUCTION AND BACKGROUND

A. Purpose:

The “purpose section” should provide a brief overview why the SIP was developed, the name of the nonattainment area (NAA), designation date and classification status of the area, and identification of the pollutants covered.

Each SIP for a nonattainment area that requires a demonstration of projected compliance with the NAAQS, will be unique.

B. Description of Area

This section is a description of the geographic location, geographic extent, geographic features, population, local governmental entities, economy, and meteorology of the area. This section should also include the legal description of the area (boundary) as in 40 CFR Part 81. It will be used in future maintenance area planning requirements such as trigger dates for PSD increment baseline (which will be different from other areas of the state.)

C. Area Designation and SIP History

This section should provide answers to the following questions. Provide Federal Register citations.

- When was the area originally designated nonattainment and what was the classification?
- What actions have occurred since original designation: reclassification to serious, extension of attainment dates, changing boundaries, etc?
- What is the attainment date for the area?

II. AMBIENT DATA

CAA section 110(a)(2)(B): The State must provide for the establishment and operation of appropriate devices, methods, systems, and procedures necessary to monitor, compile, and analyze data on ambient air quality and upon request, make such data available to the Administrator.

A. Ambient Air Monitoring Surveillance

Discuss the ambient air quality monitoring network and include such things as scale of representativeness, purpose of site, location of monitors, and when EPA last approved the network. Discuss when monitoring began at each site. Discuss samplers or monitoring instruments and whether they are Federal Reference or Equivalent Methods. Discuss quality assurance and validity of data. Discuss data reporting to AIRS data base. You might want to include special studies such as saturation monitoring.

B. Air Quality Data and Analysis

Present an analysis of air quality data. Highlight when violations were recorded. Discuss any analysis of the data to characterize the source, transport, and fate of the pollution including seasonal variation, correlation to meteorological conditions, and trends.

Present violation data for each monitoring site for all averaging times for the pollutant. Specify the base year and the rationale for selection as the base year. Calculate the design value for each site for the base year.

I. CLEAN AIR ACT REQUIREMENTS

Summarize the Clean Air Act requirements contained in subpart D of the Act that are applicable to this SIP revision.

IV. SIP ELEMENTS

A. Emission Inventory

Requirements: Section 172(c)(3) of the CAA requires that nonattainment plan provisions include a comprehensive, accurate, current inventory of actual emissions from all sources of relevant pollutants in the NAA. The CAA requires that all NAAs prepare a base year inventory that is comprehensive, accurate, and current with respect to actual emissions in the area including such periodic revisions as the Administrator may determine necessary. [Section 182(a)(1)]. Because the submission of such inventories are necessary to an area's attainment demonstration (or demonstration that the area cannot practicably attain), the emissions inventories must be received with the submission (see 57 FR 13539). Attainment year emission inventory needs to be based on allowable emissions depending on pollutant and source type. For some emission categories, the worst case actual emission will be used. Detailed explanation of how the emission inventory was developed should be in an appendix.

Provide adequate documentation to clearly show how emission estimates were calculated. Include all assumptions, data sources, emission factors and calculations so that the inventory could be recreated at some point in the future.

- 1. Base Year Emissions Inventory**
- 2. Periodic and/or Projected Attainment Year Inventory**

B. Attainment Demonstration

EPA guidance generally requires dispersion modeling be used to demonstrate attainment of the NAAQS. While the use of a model not specified in EPA's Guidelines on Air Quality Models may be allowed, any alternative technique used by the State must be approved by EPA and include justification.

C. Control Measures

Describe each control measure contained in the control strategy including the sources covered (applicability), the control requirements, how the measure will be implemented, how the measure will be enforced, and how emission reductions are determined. For voluntary measures include

reduction credit requested, how effectiveness will be tracked, and how the implementing agency will respond to shortfalls in emission reductions.

Include a copy of the official version of each rule or measure.

D. Contingency provisions

Contingency measures should be structured to take effect, without any further action by the State or EPA. States may implement contingency measures early to obtain additional emission reductions, without being required to adopt replacement contingency measures to put in place should one of the triggering events for implementation of contingency measures occur. This policy is described in a memorandum from Tom Helms, Chief of the OAQPS Ozone Policy and Strategies Group entitled "Early Implementation of Contingency Measures for Ozone and Carbon Monoxide Nonattainment Areas," August 13, 1993.

E. Reasonable Further Progress (RFP)

Describe how implementation of the control strategy will achieve RFP through tracking emission reductions along with effective dates of each control measure.

F. Motor Vehicle Emissions Budget

The on-road motor vehicle emissions for the attainment year is the motor vehicle emission budget against which transportation conformity determinations will be made.

V. Conclusion

Appendices:

Air Quality Data

Emission Inventories

Dispersion Model Input files

Dispersion Model results

Public Hearing Announcements

Public Hearing transcripts or summary

Response to Comments

SIP Adoption Certificate