Proposed Amendments to the Area Designation Criteria and Area Designations for State Standards

Board Presentation
January 22, 2004

Overview of Proposed Amendments

- 2 new ozone attainment areas
  - San Luis Obispo County
  - Sonoma County (Northern Portion)
- 1 new sulfates attainment area
  - Searles Valley (San Bernardino Co.)
- Add new PM2.5 designations

Presentation Outline

- Proposed amendments to designation criteria
- Proposed amendments to area designations
- National PM2.5 designations
- Recommendations

PROPOSED AMENDMENTS TO THE DESIGNATION CRITERIA

Current Designation Criteria

- Defines attainment and nonattainment
- Lists affected pollutants
- Establishes data requirements
- Distinguishes between regional and more localized pollutants

Defines Designation Categories

- Nonattainment
- Nonattainment-Transitional
- Attainment
- Unclassified

Lists Affected Pollutants

- Ozone
- PM10
- Sulfur Dioxide
- Lead
- Visibility Reducing Particles
- Carbon Monoxide
- Nitrogen Dioxide
- Sulfates
- Hydrogen Sulfide

New this year: PM2.5

Establishes Data Requirements

- Overall representativeness
- Three-year window
- Reflect averaging time of State standard
- Reflect season of high concentration

Size of Designated Area

- Air Basin: Ozone, NO_2, PM10, sulfates, and visibility reducing particles
- County: CO, SO_2, lead, & H_2S
- Smaller areas if justified

Proposed Amendments to Designation Criteria

- Add PM2.5 to list of regional pollutants
- Clarifications
  - Procedures for evaluating representative and complete data
  - Other minor changes

PROPOSED AMENDMENTS TO THE AREA DESIGNATIONS

Proposed 2003 Area Designations for State Standards

- PM2.5
- Ozone
- Carbon Monoxide
- Sulfates

Revisions to State PM Standards

- June 2002 Board Action
  - Adopted new annual PM2.5 standard
  - Revised existing annual PM10 standard
  - Approved expanded list of PM monitors, including continuous monitors

Proposed State PM2.5 Area Designations

Proposed New Ozone Attainment Areas

- San Luis Obispo County
- Sonoma County
  (Northern Portion)

Other Ozone Changes by Operation of Law

- Colusa County
  - Nonattaniment-Transitional
- Butte County
  - Nonattainment
- North Central Coast Air Basin
  - Nonattainment

Carbon Monoxide & Sulfates

- Carbon Monoxide
  - Los Angeles County
  - Proposed:
    Nonattainment-Transitional
- Sulfates
  - Searles Valley Planning Area
    San Bernardino County
  - Proposed: Attainment

NATIONAL PM2.5 DESIGNATIONS

National PM2.5 Standards Implementation

- US EPA expected to issue final designations by December 2004
- SIPs due three years later - 2007
- Attainment deadlines 2009-2014

Expected National PM2.5 Nonattainment Areas

Expected Nonattainment

Nonattainment Area	*Design Value (ug/m^3)* *24-hour (Std. is 65)*	*Annual (Std. is 15.0)*
San Joaquin Valley	90	23.2
South Coast	73	28.9
City of Calexico	50	15.6
San Diego	43	16.4

Recommendations

- Adopt amendments to State designation criteria
  - PM2.5 designations by air basin
  - Minor changes for clarity and consistency
- Adopt amendments to State area designations
  - PM2.5, ozone, CO, sulfates