

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 PM_{2.5} designations**

Presentation Outline

- **Proposed amendments to designation criteria**
- **Proposed amendments to area designations**
- **National PM_{2.5} 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, NO₂, PM₁₀, sulfates, and visibility reducing particles
- **County:** CO, SO₂, lead, & H₂S
- **Smaller areas if justified**

Proposed Amendments to Designation Criteria

- **Add PM_{2.5} 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 PM_{2.5} 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**
 - **Nonattainment-Transitional**
- **Butte County**
 - **Nonattainment**
- **North Central Coast Air Basin**
 - **Nonattainment**

Carbon Monoxide & Sulfates

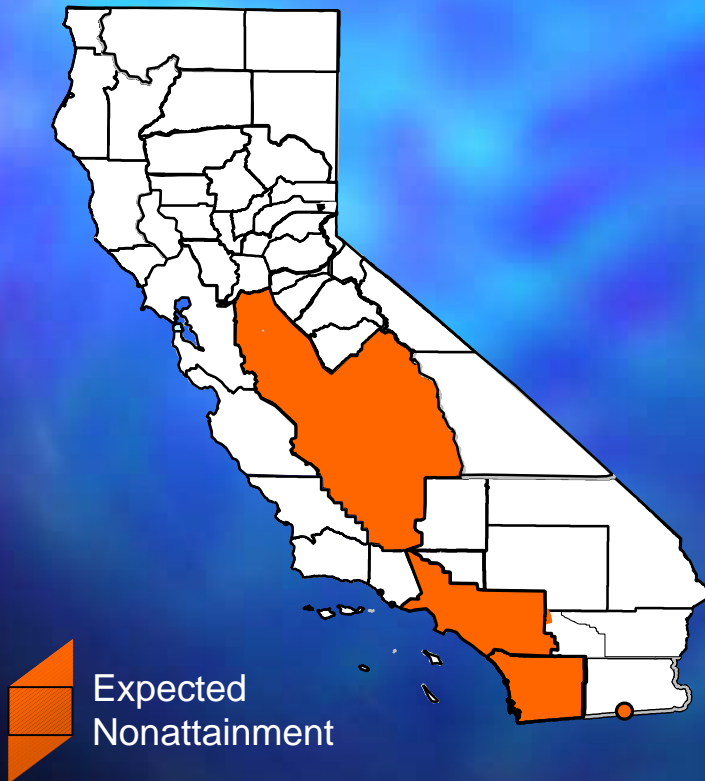
- **Carbon Monoxide**
 - **Los Angeles County**
 - **Proposed:**
Nonattainment-Transitional
- **Sulfates**
 - **Searles Valley Planning Area**
San Bernardino County
 - **Proposed: Attainment**

NATIONAL PM_{2.5} 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



Nonattainment Area	Design Value ($\mu\text{g}/\text{m}^3$)	
	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