PROPOSED AMENDMENTS TO THE DESIGNATION CRITERIA, THE AREA DESIGNATIONS FOR STATE STANDARDS, AND THE SAN JOAQUIN VALLEY AND SOUTHEAST DESERT AIR BASIN BOUNDARIES

November 16, 1995

AIR BASIN BOUNDARIES

San Joaquin Valley and Southeast Desert

- Kern County portion
- Affects two areas
  - Kern River Valley
  - Cummings Valley
- Districts requested change

DESIGNATION CRITERIA

DESIGNATION CRITERIA

Designation Categories

- Nonattainment
  - Measured violations
- Nonattainment-Transitional
  - Small number violations
- Attainment
  - Exceedances may occur
- Unclassified
  - Insufficient data

DESIGNATION CRITERIA

Exceedance Versus Violation

- Exceedance
  - Higher than the State standard
  - May be affected by a Highly Irregular or Infrequent Event
- Violation
  - Exceedance not affected by a Highly Irregular or Infrequent Event
  - Basis for nonattainment

DESIGNATION CRITERIA

Highly Irregular or Infrequent Events

- Exceptional Event
  - Specific, identifiable cause
  - Act of nature or human activity
- Extreme Concentration Event
  - Statistically determined
  - Recurs less than once/year

DESIGNATION CRITERIA

Unusual Concentration Event

- Anomalous exceedance
- Attainment or unclassified areas
- Consider relevant information
  - Air quality & emissions data
  - Meteorological data
  - Health & welfare impacts
  - Rules & regulations

DESIGNATION CRITERIA

Unusual Concentration Event

- Required findings
  - Limited impact
  - Not expected to recur
  - Nonattainment not supported
- Retain designation for 3 years
- Nonattainment in 4th year

DESIGNATION CRITERIA

Unusual Concentration Event

- Example: Nitrogen dioxide
  - New site in SEDAB
  - High = 0.36 ppm
  - Second high = 0.05 ppm
  - Not exceptional or extreme
  - Limited to local area
  - Unlikely to recur
  - Nonattainment not supported

DESIGNATION CRITERIA

Minor Technical Revisions

- Clarify current practices
- Delete unnecessary or obsolete language
- Make regulation internally consistent
- Correct grammar

AREA DESIGNATIONS

AREA DESIGNATIONS

Summary of Proposed Changes

Pollutant	Areas to Redesignate
Ozone	2
CO	4
NO_2	1

AREA DESIGNATIONS

Northern Sonoma County - Ozone

- Current: Unclassified
- Proposed: Attainment
  - One exceedance 1992-1994
  - Exclude as extreme concentration

AREA DESIGNATIONS

Mono County - Ozone

- Current: Nonattainment-Transitional
- Proposed: Nonattainment
  - 0 exceedances in 1993
  - 19 exceedances 1992 & 1994
  - 15 violations 1992 & 1994

AREA DESIGNATIONS

Sutter County - CO

- Current: Unclassified
- Proposed: Attainment
  - Data for Yuba City
  - No exceedances 1992-1994

AREA DESIGNATIONS

Inyo County - CO

- Current: Unclassified
- Proposed: Attainment
  - Data for Bishop
  - No exceedances 1992-1994

AREA DESIGNATIONS

Sacramento County Urbanized Area - CO

- Current: Nonattainment
- Proposed: Nonattainment-Transitional
  - District requested change
  - 0 exceedances in 1994
  - Attainment within 3 years

AREA DESIGNATIONS

City of Calexico - CO

- Current: Unclassified
- Proposed: Nonattainment
  - Data for Calexico-Ethel Street
  - 12 violations in 1994
  - Cannot exclude

AREA DESIGNATIONS

City of Calexico - CO

- District concern
  - Violations caused by transport
  - Cannot mitigate violations
- Nonattainment appropriate
  - Limit designation to Calexico
  - Identify problem area
  - Recommend further study

AREA DESIGNATIONS

South Coast Air Basin - NO_2

- Current: Nonattainment
- Proposed: Attainment
  - 3 exceedances 1992-1994
  - Exclude as extreme concentrations

AREA DESIGNATIONS

Inyo County - Ozone

- Currently Unclassified
- No exceedances at Bishop
- Death Valley site
  - One exceedance (0.098 ppm)
  - Exclude as unusual concentration
    - Limited impact
    - Not likely to recur
    - Nonattainment not supported

SUMMARY

Proposed Regulatory Changes

- Air Basin Boundaries
  - Add Kern River Valley and Cummings Valley to SEDAB
- Designation Criteria
  - Add unusual concentration event
  - Other minor revisions
- Area Designations
  - Ozone (2), CO (4), NO_2 (1)