

**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**

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### **San Joaquin Valley and Southeast Desert**

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

# **DESIGNATION CRITERIA**

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## **Designation Categories**

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

# **DESIGNATION CRITERIA**

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## **Exceedance Versus Violation**

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- **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**

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### **Highly Irregular or Infrequent Events**

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

# **DESIGNATION CRITERIA**

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## **Unusual Concentration Event**

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

# **DESIGNATION CRITERIA**

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## **Unusual Concentration Event**

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



## **DESIGNATION CRITERIA**

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### **Unusual Concentration Event**

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- **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**

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## **Minor Technical Revisions**

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

# **AREA DESIGNATIONS**

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## Summary of Proposed Changes

Pollutant	Areas to Redesignate
Ozone	2
CO	4
NO <sub>2</sub>	1

## **AREA DESIGNATIONS**

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### **Northern Sonoma County - Ozone**

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

## **AREA DESIGNATIONS**

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### **Mono County - Ozone**

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

## **AREA DESIGNATIONS**

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### **Sutter County - CO**

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

## **AREA DESIGNATIONS**

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### **Inyo County - CO**

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



## **AREA DESIGNATIONS**

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### **Sacramento County Urbanized Area - CO**

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

## **AREA DESIGNATIONS**

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### **City of Calexico - CO**

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

## **AREA DESIGNATIONS**

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### **City of Calexico - CO**

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

## **AREA DESIGNATIONS**

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### **South Coast Air Basin - NO<sub>2</sub>**

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

## **AREA DESIGNATIONS**

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### **Inyo County - Ozone**

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- **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**

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## **Proposed Regulatory Changes**

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- **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<sub>2</sub> (1)**