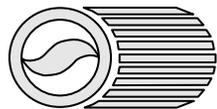


Statewide Railyard Agreement Public Consultation Meeting

**Commerce, California
August 31, 2005**

California Environmental Protection Agency



Air Resources Board

Meeting Agenda

- **Background & Overview**
- **Rail Yard Agreement Elements**
- **Public Comment**
- **Procedures for Reporting Smoking or Idling Locomotives**
- **Adjourn**

An aerial, black and white photograph of a large industrial or construction site. A wide, straight dirt road or path runs vertically through the center of the image. On either side of this road, there are various structures, including large rectangular buildings, smaller industrial units, and what appears to be a large, circular or oval-shaped area that could be a stadium or a large arena under construction. The surrounding area is a mix of open land and some residential or commercial buildings. The overall scene suggests a major development project in progress.

BACKGROUND & OVERVIEW

Who is ARB?

- **State agency responsible for air pollution control in California**
 - 11 member Board appointed by the Governor
- **Mission:**
 - Protect public health, welfare and ecological resources
 - Effectively and efficiently reduce air pollution
 - Adopt statewide measures, oversee and assist local and regional air districts

What Does ARB Do?

- **Protect public health**
- **Statewide responsibility to regulate:**
 - **Cars, Trucks, and Mobile Engines**
 - **Fuels**
 - **Consumer products**
 - **Toxics**
- **Conduct research, monitoring, and many technical support activities**

Why did the ARB enter into an Agreement with the Railroads?

ARB's Use of Voluntary Agreements

- **At times are the most effective mechanism to reduce emissions:**
 - **1998 railroad NOx agreement in SCAQMD**
 - **Ensured 65% reduction in emissions**
 - **Similar approach for Airport Ground Service Equipment**
- **Used infrequently, prefer rulemaking**

Limited Regulatory Authority Relative to Railroads

- **Agreement best option for reducing railroad impacts**
 - Most direct authority is reserved to the federal government
- **States and local agencies authority limited by:**
 - Interstate Commerce statutes, which preempt local regulation of most aspects of rail operations
 - Federal Clean Air Act which preempts state control of engine emissions

Rail Yard Emissions are Statewide Concern

- **Railroad operations cause significant emissions in many air basins**
- **Risks around large rail yards are significant**
- **Need to begin statewide emission reduction programs quickly**

Benefits of the Agreement

- **Provides significant emission benefits**
 - **About a 20% reduction in locomotive diesel PM emissions near rail yards statewide**
- **Avoids delays and uncertainty that could result from litigation**
- **Achieve faster progress than use of the state's limited regulatory authority**
- **Does not diminish existing state and local programs and authorities**

Important Component of ARB Goods Movement Strategies

- **Other strategies include:**
 - **1998 NOx MOU to reduce locomotive emissions in the SCAQMD**
 - **Cargo handling regulation**
 - **Maritime regulations**
 - **Carl Moyer Program**
 - **New federal Tier 3 locomotive standards**

Issues That Have Been Raised

- **Developed without public input**
- **Adversely affected legislative initiatives**
- **Interferes with local rulemakings**
- **Not stringent enough/not fully enforceable**

Upcoming ARB Meeting

- **Special Meeting of the Board**
 - **Los Angeles**
 - **September 22, 2005**
 - **2 pm to 5 pm & 6 pm to 9 pm**



RAIL YARD AGREEMENT ELEMENTS

Agreement Overview

- **Reduces emissions and risk statewide**
 - **Limit non-essential idling**
 - **Install anti-idling devices**
 - **Use ultra-low sulfur diesel fuel**
 - **Identify and repair smoking locomotives**
 - **New health risk assessments at 16 yards**
 - **Design risk mitigation measures for 16 yards**
 - **Evaluate future control technologies**

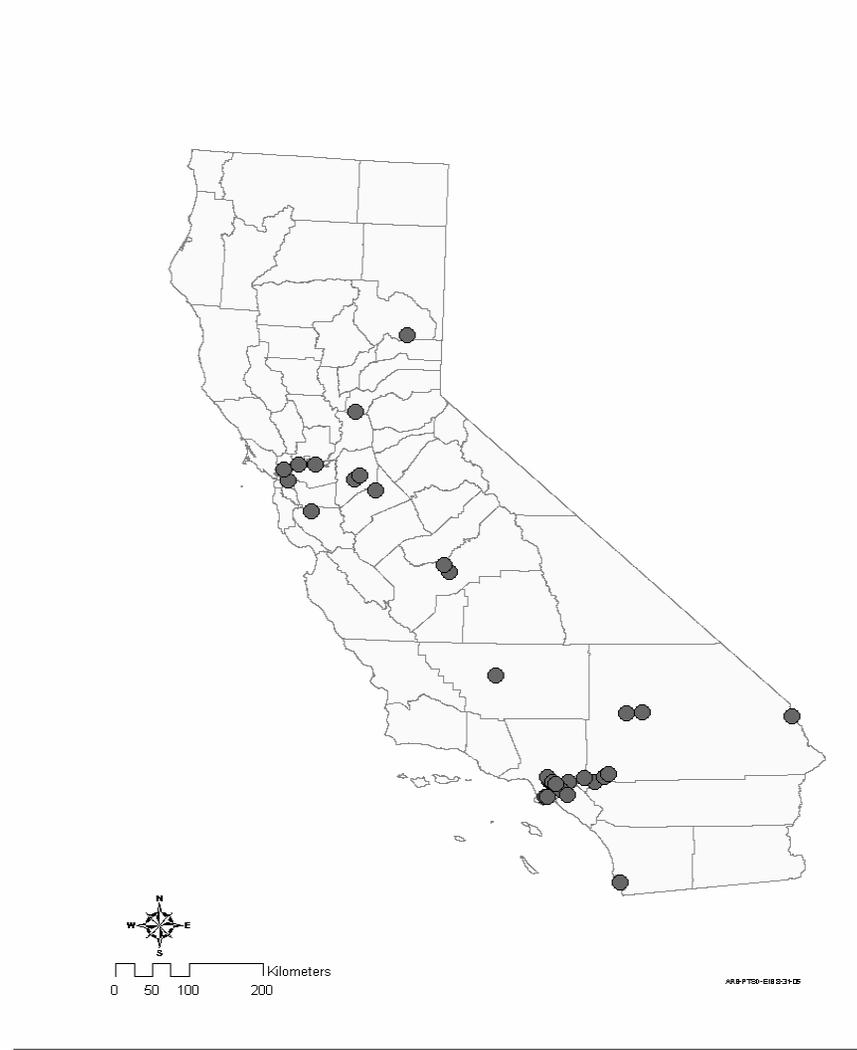
Other Agreement Elements

- **Provides for community involvement**
- **Binding on railroads**
 - **Process to remedy performance problems, including penalties for failure to implement**
- **Evaluates new technology to identify high polluting locomotives**

Community Involvement

- **Community involvement is an important component**
 - **System to report idling and smoking locomotives**
 - **Identify measures to reduce rail yard impacts**
 - **Periodic progress reports to community**
 - **Discuss findings of health risk assessments**
 - **Meetings to discuss new locomotive emission reduction technologies**

Rail Yards Covered by the Agreement



Locomotive Idling Restrictions

■ Key Requirements:

- Install idle-reduction devices on California based locomotives
- Limit idling of all other locomotives
- Training of railroad personnel

■ Benefits:

- 10% reduction in diesel PM emissions near railyards

Use of Ultra-Low Sulfur Diesel Fuel

■ Key Requirements:

- Use of ultra-low (15 ppm) sulfur diesel fuel in all locomotives
 - At least 80% by 2007

■ Benefits:

- 7% reduction in diesel PM emissions near rail yards

Visible Emission Reduction & Repair Program

■ Key Requirements:

- Locomotive inspection and repair program
- Annual locomotive visible emission inspections
- Training of railroad personnel
- Smoking locomotives repaired within 96 hours
- 99% of locomotives must meet smoke limitations

■ Benefits:

- 3% reduction in diesel PM emissions near railyards

Health Risk Assessments

■ Key Requirements:

- ARB to work with local air districts and others to develop guidelines
- Railroads will provide inventory and analysis to ARB
- ARB will perform risk assessment
- Discuss findings with communities and local air districts

Rail Yard Mitigation

■ Key Requirements:

- **Develop plan to implement measures at major rail yards to reduce their impacts**
 - **Plans updated to address risk assessment findings**
 - **Annual plan updates**
- **Discuss findings with communities and local air districts**

Evaluation of Future Technologies

- **Key Requirements:**
 - **Railroads will fund about \$3.5 million to:**
 - **Continue evaluation of diesel particulate traps**
 - **Evaluate hybrid, multiple engine, and alternative fueled locomotives**
 - **Evaluate retrofitting line haul locomotives and/or diesel rail yard equipment**
 - **Semi-annual meetings with communities to discuss ongoing efforts**

Enforcement Provisions

■ Key Provisions:

- ARB/District enforcement of agreement idling provisions
- Maintains local enforcement of smoke and nuisance regulations
- Penalties of up to \$40,000 per month for failure to meet specific requirements
- Provides ARB with mechanisms to ensure accountability

Release Clause

- **Agreement contains provision to release railroads from individual elements if:**
 - **More stringent federal requirements**
 - **Adoption of overlapping district rules**
- **Railroads can opt to continue the element in other areas of state**
- **Other elements remain in force**
- **Intended to promote uniform approach**

Emission Benefits at Rail Yards

- **Reduce locomotive diesel PM by about 20% near rail yards**
 - 10% due to idling restrictions
 - 3% due to fewer smoking locomotives
 - 7% due to cleaner diesel fuel
- **Additional benefits through:**
 - Near-term: mitigation measures
 - Long-term: advanced technologies

An aerial, black and white photograph of a large industrial or construction site. A wide, unpaved dirt road or canal runs vertically through the center of the image. On either side of this central feature, there are numerous rectangular buildings, some with flat roofs and others with more complex structures. The surrounding area is filled with dense vegetation and smaller structures, suggesting a rural or semi-rural setting. The overall scene depicts a significant area of land being developed or managed.

OPEN DISCUSSION



**PROCEDURES FOR
REPORTING SMOKING OR
IDLING LOCOMOTIVES**

Railroad Complaint Lines

■ Union Pacific Railroad:

- 1-888-877-7267 (1-888-UPRR-COP)
- Available 24 hours a day/7 days a week
- Provide locomotive numbers and location (e.g., milepost or railyard)

■ BNSF Railway:

- 1-800-308-7513
- Available 24 hours a day/7 days a week

ARB Contacts

■ ARB Complaint Line:

- 1-800-END-SMOG

■ ARB Railyard Webpage:

- <http://www.arb.ca.gov/railyard>
- Will establish on-line reporting page

■ ARB Locomotive Webpage:

- <http://www.arb.ca.gov/msprog/offroad/loco/loco.htm>

■ ARB Staff Phone Contacts:

- Dean Simeroth, Chief, CPB (916) 322-6020
- Erik White, Manager, EES (916) 324-8029

District Contacts

- **Most districts with major rail yards have dedicated complaint numbers**
 - Bay Area AQMD **1-800-334-ODOR**
 - San Diego County APCD **(858) 650-4550**
 - San Joaquin Valley APCD **1-800-559-9AIR**
 - South Coast AQMD **1-800-CUT-SMOG**
- **Other District's numbers can be found:**
 - In local directory
 - At **<http://www.arb.ca.gov/capcoa/roster.htm>**