

## Current and Upcoming SCAQMD Regulatory Efforts



SCAQMD  
January 31, 2006

## Background

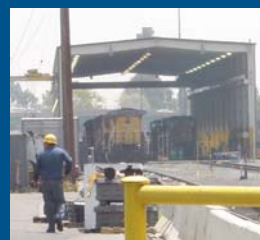
- ARB JR Davis Railyard study
  - Maximum average cancer risk:  
1,000 in one million
  - Cancer risk > 100 in one million impacts  
14,000 to 26,000 residents
- Complaints from community representatives  
regarding locomotive activity
  - Proximity to railyards
  - High population density
  - Increased railyard activity

## Regulatory Authority

- Authority to regulate locomotives
  - to prevent public nuisance
  - Gather information regarding criteria and toxic air contaminant emissions
- AQMD has authority to regulate non-vehicular and indirect sources
  - Locomotives are non-vehicular sources
  - Railyards attract mobile sources and are indirect sources
- AQMD rules do not interfere with interstate commerce

## Regulation XXXV

- PR 3501 – Recordkeeping for Locomotive Idling
- PR 3502 – Minimization of Emissions from Locomotive Idling
- R 3503 – Emissions Inventory and Health Risk Assessments for Railyards
- PR 3504 – Risk reduction from Railyards



## PR 3501 and 3502 Applicability

- Class I freight railroads
- Switching and terminal freight railroads
- Excludes passenger operations
- Locomotives operating in the District



## Rule 3503 Applicability

- 19 freight railyards
  - Burlington Northern and Santa Fe Railway Company (8)\*
  - Pacific Harbor Line, Inc. (1)
  - Union Pacific Railroad Company (10)
- New freight railyards

\*LA Junction owned by BNSF

# PR 3501

## Recordkeeping and Reporting

- Recordkeeping for idling events >30 minutes
- Weekly report to AQMD summarizing idling events
- Annual locomotive inventory report
- Exemptions
  - Equipped with anti-idling devices
  - Using alternative technology

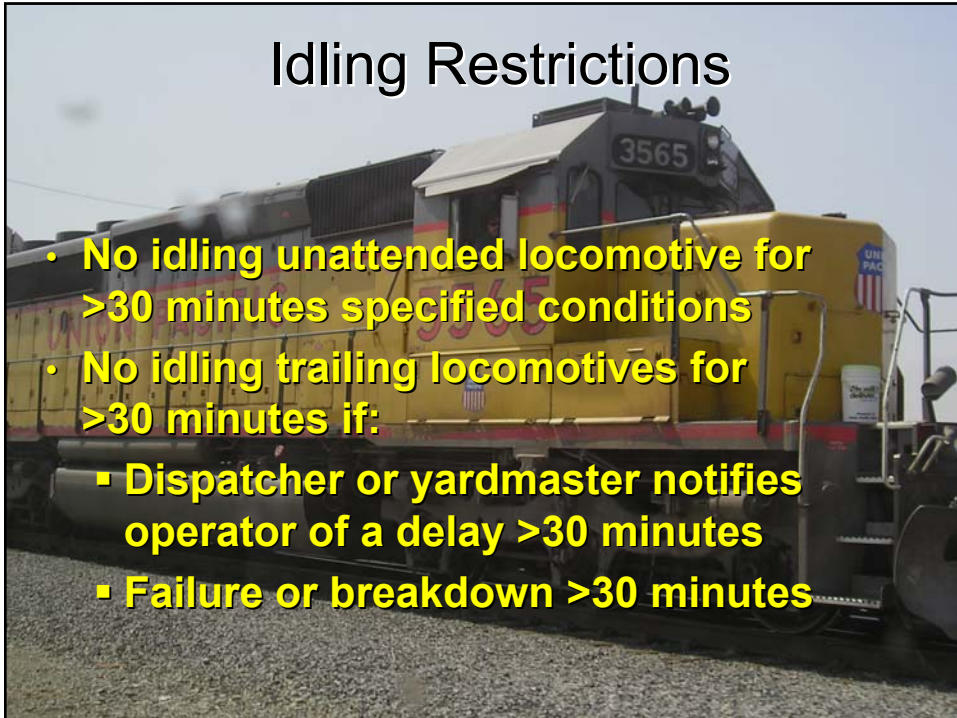


# PR 3502 Idling Requirements

- Effective 6 months from date of adoption
- Applicable to locomotives not equipped with anti-idling device
- Locomotives with anti-idling device exempt if:
  - Device set to  $\leq 15$  minutes;
  - Device is engaged; and
  - Device not tampered with



## Idling Restrictions



- **No idling unattended locomotive for >30 minutes specified conditions**
- **No idling trailing locomotives for >30 minutes if:**
  - **Dispatcher or yardmaster notifies operator of a delay >30 minutes**
  - **Failure or breakdown >30 minutes**

## PR 3502 Idling Exemptions

- Locomotives with anti-idling devices
- Approved Emissions Equivalency Plan showing equivalent reductions
- Essential idling
  - Locomotive is being used in an emergency
  - Ambient temperatures of 40° or less
  - Idling required to enable batteries to restart locomotive



## Rule 3503 Requirements

- Develop emissions inventory within 12 months
- Conduct health risk assessments within 15 months
- Annual public meetings until cancer risk is  $<10$  in one million
- Update emissions inventory every 2 years and HRA under specific conditions



## Proposed Rule 3504

- Rulemaking based on emissions inventories and HRA reports
- Details of Proposed Rule to be determined
  - Appropriate risk threshold
  - Schedule for risk reductions
  - Implementing mechanism

## Key Issues

- Need for Regulation XXXV
- Legal Authority

## Schedule

- Rule 3503 Adopted                      October 2005
- Public Hearing for                      February 2006  
Proposed Rules  
3501 and 3502
- Proposed Rule 3504                      TBD