

Current and Upcoming SCAQMD Regulatory Efforts



SCAQMD
January 31, 2006

Background

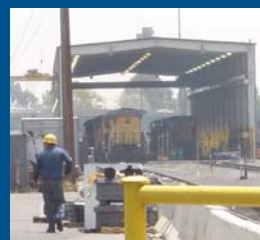
- ARB JR Davis Railyard study
 - Maximum average cancer risk: 1,000 in one million
 - Cancer risk > 100 in one million impacts 14,000 to 26,000 residents
- Complaints from community representatives regarding locomotive activity
 - Proximity to railyards
 - High population density
 - Increased railyard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

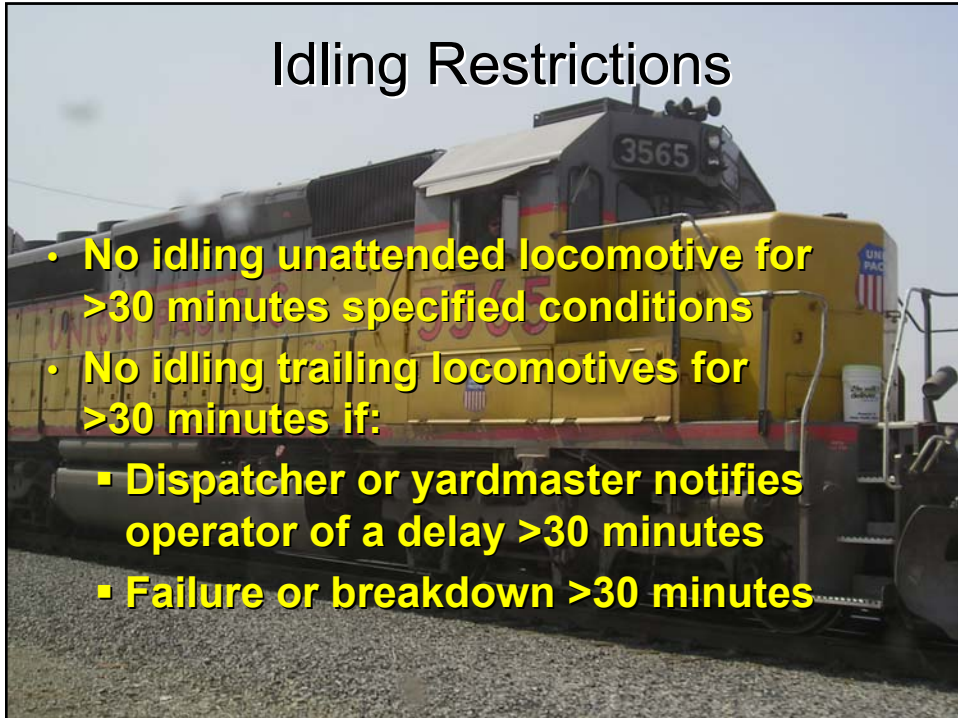


PR 3502 Idling Requirements

- 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 ≤ 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 Proposed Rules 3501 and 3502 | February 2006 |
| • Proposed Rule 3504 | TBD |