



**Truck Idling at the Ports  
of  
Los Angeles and Long Beach**

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**South Coast Air Quality Management District**

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# Truck Idling

- **Emissions**
  - **NO<sub>x</sub> & Hydrocarbons; Ozone Precursors**
  - **PM; Toxic Air Contaminants**
  - **SO<sub>x</sub>**
  - **CO & Greenhouse Gases**
- **Diesel Fuel Consumption**
  - **5-10% Energy Efficient During Idling**
  - **Approximately 40% Energy Efficient on Highways**
  - **Approximately 1 gal/hr During Idling**

# Legislation

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- **Assembly Bill: AB 2650, Lowenthal**
- **Approved by Governor Davis on September 30, 2002**
- **Effective Date January 1, 2003**
- **Affected Areas**
  - **South Coast Air Quality Management District**
  - **Bay Area Air Quality Management District**
- **30 Minute Idling or Queuing Limit**
- **AB 1971 Amendment, Lowenthal, February 2004**

# Legislation

- **Reduce PM & Toxic Air Contaminants Emissions**
- **Idling Limit Exemptions**
  - **Ports with Less Than 3 Million Annual TEUs**
    - Fully Staffed; Gates Open 65 Hours & 5 Days/Week
  - **Ports with More Than 3 Million Annual TEUs**
    - Fully Staffed; Gates Open 70 Hours & 5 Days/Week
- **Fines**
  - **Idling: \$250 Per Vehicle Per Violation**
  - **Circumventing: \$750 Per Vehicle Per Violation**

# Background

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- **Prior to 2003**
  - **Long Lines**
  - **Long Waits; Often Exceeding One Hour**
  - **Huge Emissions from Idling**
- **Working Group**
  - **Formed December 2002**
  - **Terminal Operators, Trucking Companies, Community, Ports, Environmental Groups, SCAQMD, BAAQMD, Unions**
  - **Regular Meetings**

# Implementation

- **Changes**
  - **Truck Scheduling Systems**
  - **Outreach**
  - **Streamlined Operations**
  - **Line Monitoring for Problems**
- **SCAQMD and BAAQMD**
  - **Staff for Monitoring AB 2650**
  - **Developed Enforcement Procedures and Policies**
  - **Monitored Progress**

# Implementation

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- **Progress**
  - **Shorter Lines**
  - **Reduced Emissions**
  - **SCAQMD Observed Over 1,000 Truck Lines in 2003**
  - **No SCAQMD Violation Notices in 2003**

# Emissions

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- **2001 Truck Trips**
  - **34,000 Daily Trips Average**
  - **Approximately 90% of Trucks are Pre-1990**
- **Emission Factors**
  - **EPA, CARB (EMFAC 2002), Argonne National Laboratory**
- **Pre -2003 Emissions**
  - **1300 tpy NO<sub>x</sub>**
  - **55 tpy PM**
  - **1530 tpy CO**
- **2003 Emissions**
  - **500 tpy NO<sub>x</sub>**
  - **20 tpy PM**
  - **550 tpy CO**