



**Maritime Air Quality Technical Working Group**

**ARB Updates**

Sacramento, California  
May 17, 2005



California Environmental Protection Agency  
AIR RESOURCES BOARD

1

## Regulatory Development

- Ship Auxiliary Engines
- Cargo Handling Equipment
- Commercial Harbor Craft
- Cruise Ship Incineration
- Cleaner Fuels for Harbor Craft and Intrastate Locomotives

California Environmental Protection Agency  
AIR RESOURCES BOARD

2

## Maritime Related Projects

- Goods Movement Action Plan
- POLA & POLB Exposure Assessment Study
- Shore-side Electrification Feasibility Study

## Ship Auxiliary Engines

- Statewide proposal to require the use of distillate fuels in auxiliary engines
- Next workshop May 18, 2005
  - Revised Regulatory Language
  - Draft Ship Survey Results
  - Draft Emission Inventory Methodology
- Additional Workshops: Summer 2005
- ARB Board consideration: Nov. 2005

## Cargo Handling Equipment at Ports and Rail Intermodal Facilities

- Statewide proposal to reduce emissions from cargo handling equipment
- Next Workshop - May 18, 2005
  - Draft Equipment Survey Results
  - Draft Emissions Inventory Methodology
  - Yard Truck Emission Testing Study
- Additional Workshops: Summer 2005
- ARB Board consideration: Nov. 2005

## Commercial Harbor Craft

- Statewide proposal to reduce emissions from existing harbor craft
- Board consideration postponed until 2006
  - Additional time to work with stakeholders
  - Evaluate technology options

## Cruise Ship Incineration

- Effective Jan. 1 2005, cruise ships prohibited from conducting onboard incineration within 3 miles of CA coast
- Reduce exposure of TAC's
- Current ATCM Under Development
  - Focus on Enforcement
  - Next workshop: May 17, 2005
  - November 2005 Board Hearing

## Cleaner Fuels for Harbor Craft and Intrastate Locomotives

- Require the use of California on-road diesel fuel in harbor craft and locomotives
  - SCAB harbor craft: Jan 2006
  - All California (HC & Loco): Jan 2007
- Board Approved: November 2004
- OAL Pkg.: Complete June 2005

## Governor's Goods Movement Policy

- Improve and expand California's goods movement industry and infrastructure in a manner which will:
  - Generate jobs
  - Increase mobility and relieve traffic congestion
  - Improve air quality and protect public health
  - Enhance public and port safety
  - Improve California's quality of life

## Goods Movement Action Plan Phase I: Foundations

- Cabinet Level Goods Movement Working Group formed Dec '04
  - Secretaries McPeak and Lloyd co-chairs
- Listening Sessions Spring '05
  - Los Angeles and Oakland
- Phase I Report
  - Draft released March 23
  - Final expected early summer

## Phase I Report

- Characterize goods movement industry and growth potential
- Inventory of infrastructure projects planned or underway
- Extent of environmental and community impacts
- Public safety and homeland security issues

## Next Steps (Phase II)

- Prioritize infrastructure projects and identify funding sources
- Develop Comprehensive Emission Reduction Plan
  - build upon current efforts
  - work with all stakeholders
  - identify measures needed to reduce public health impacts from port and rail activities
  - initiate effort summer 2005

## POLA & POLB Exposure Assessment Study

- Study Objectives
  - Investigate impacts of port emission sources on nearby communities
  - Identify most significant emission sources
  - Develop tool to help prioritize mitigation measures and to evaluate impacts of proposed measures

## POLA & POLB Exposure Assessment Study (cont)

- Study Approach
  - Estimate diesel PM emissions and allocate temporally and spatially
  - Conduct dispersion modeling to determine ambient concentrations
  - Follow OEHHA guidelines for Health Risk Assessments to determine risk

## POLA & POLB Exposure Assessment Study (cont)

- Study Timeline
  - Preliminary draft results - June 2006
  - Public Workshop - July 2006
    - Los Angeles
  - Final Report - September 2006

## Shore-side Power Feasibility Study

- Assess the technical feasibility of shore power at California's ports for ocean-going vessels
- Workshop  
May 17, 2005
- Draft Report: June 2005
- Final Report: July 2005

