

Final Maritime Air Quality Improvement Plan (MAQIP)

Task Force Meeting

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October 31, 2008

10:30 am – 3:00 pm

West Oakland Public Library

Presentation Outline

- Purpose of the MAQIP
- Emissions reduction strategies
- Changes based on your comments
- Next steps

Purpose of the MAQIP

- Describes the current setting
- Establishes the goals and values that guide operations and development
- Presents a vision of the future
- Outlines how that future will be achieved.

Purpose of the MAQIP (cont.)

Establishes the goals and values that guide operations and development

- MAQIP goals to reduce public health impacts and reduce ambient air emissions “as expeditiously as feasible”
 - Board of Port Commissioners policy to reduce DPM cancer health risk in West Oakland from seaport activities by 85% from 2005 to 2020 (March 18, 2008)

Purpose of the MAQIP (cont.)

Presents a vision of the future

- Quantitative goals to minimize or reduce emissions from 2005 to 2020, even while the seaport grows.

<u>Emissions</u>	<u>Off-Shore</u>	<u>On/Near-Shore</u>
Diesel PM	- 85%	- 85%
NOx	TBD	- 34%
SOx	- 94%	- 85%

Purpose of the MAQIP (cont.)

Outlines how that future will be achieved

- Regulations: take us most of the way there
- Initiatives: bridge the gap to our goals
- Partners: business, agency, community
- Port of Oakland: MAQIP has 3 phases
 - Phase 1: planning
 - Phase 2: implementation and compliance
 - Phase 3: monitoring and reporting

Emissions Reduction Strategies

The Port is committed to these strategies:

1. Target emissions reductions earlier than required by regulations (“early actions”),
2. Support enforcement of regulations, and
3. Target emissions reductions above and beyond those required by law.

Emissions Reduction Strategies

The Port is committed to these control measures/strategies:

- Early action retrofit/replacement of trucks
- Compliance with shore power regulation
- Design and operational efficiencies
- Participate in pilot and verification projects

Emissions Reduction Strategies

Control measures/strategies (cont.)

- Construction emissions reduction
- Support enforcement of regulations by CARB and BAAQMD
- Accountability, monitoring and reporting

Changes Based on Comments

- Overemphasis on constraints (1.4.1)
 - Eliminated and consolidated
- Clear commitments and schedules (1.4.2)
 - Emissions reduction strategies
 - Currently foreseeable projects
 - Project and program tiers:
 - Underway
 - Near-term (2009-2013)
 - Future (2013 and beyond)

Changes Based on Comments

- Clear commitments and schedules (cont.)
 - Continue coordinating with stakeholders on projects and emerging technologies
 - Participate in pilot and verification programs to develop new control technologies
 - Quantifiable and non-quantifiable (operational and design) control measures
- Reliance on regulations (1.4.3 and 1.4.4)
 - Support BAAQMD and CARB in compliance and enforcement

Changes Based on Comments

- Back-up plan for MAQIP (1.4.8)
 - Reconvene the MAQIP Task Force (or successor group) in five years
 - Compare results of 2012 emissions inventory to interim goals
 - Reconsider and refine strategies if necessary
 - Emphasis on early action measures and on regulatory compliance

Changes Based on Comments

- Back-up plan for MAQIP (cont.)
 - Reconvene the MAQIP Task Force (or successor group) in ten years
 - Compare latest emissions inventory to goals
 - Review compliance success
 - Review new technologies and projects
 - Emphasis on regulatory compliance and “above and beyond” measures

Next Steps

- Proposed timeline
- Maritime stakeholder group

NO IDLING



**ENGINES OFF WHILE
WAITING IN LINE**

A MESSAGE FROM THE PORT OF OAKLAND



PORT OF OAKLAND

MARITIME AIR QUALITY IMPROVEMENT PLAN