



Winston H. Hickox
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

1001 I Street • P.O. Box 2815 • Sacramento, California 95812 • www.arb.ca.gov



Gray Davis
Governor

July 2, 2002

Dear Sir or Madam:

This letter is to invite you to participate in a meeting of the Maritime Air Quality Technical Working Group (Maritime Working Group), and the Incentives Subgroup. As a reminder, the Maritime Working Group was created to provide a forum for discussion of air quality issues and concerns pertaining to maritime activities in California. The Incentives Subgroup of the Maritime Working Group was formed to discuss economic incentives and other programs to encourage oceangoing ships to reduce their emissions in California Coastal Waters. Both meetings will be held at the time and location shown below. A map to the location can be found at the Port of Oakland's website at www.portofoakland.com, under the heading "Port and You."

Date: Friday, July 26, 2002
Time: Maritime Working Group: 9:00 A.M. – 12:30 P.M.
Incentives Subgroup Meeting: 1:30-3:30 P.M.
Location: Port of Oakland
530 Water Street
7th Floor Conference Room
Oakland, California 94607

In addition, the Port of Oakland is offering a tour of their harbor on the afternoon of Thursday, July 25, 2002. If you are interested in participating in this tour, please contact Ms. Sue Wyman, Office of the Ombudsman, at (916) 445-9477 or swyman@arb.ca.gov by July 11, 2002.

Maritime Working Group (MWG)

During this meeting, the Port of Oakland will provide a summary of their air quality programs and Air Resources Board staff will provide brief updates on the development of the Vessel Speed Reduction Memorandum of Understanding at the Ports of Los Angeles and Long Beach, and the activities of the Incentives Subgroup. A representative of the United States Environmental Protection Agency (Region IX) will also provide an update on their activities, including the status of their regulation for new marine diesel engines over 30 liters per cylinder. Five guest speakers have also agreed to participate as shown on the attached preliminary agenda, that will discuss marine

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

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diesel engine and emission control technology, particularly for the large slow-speed two-stroke engines used on large oceangoing vessels.

Incentives Subgroup

At this meeting, we would like to engage in informal "round-table" discussions with shipping companies, engine manufacturers, and other interested parties on the types of emission control technology that would be most attractive to the industry. As discussed at the last Incentives Subgroup meeting, we would like to focus our initial efforts on a demonstration project under which one or two cargo ships that regularly travel along the Santa Barbara coastline would reduce their emissions.

General Information

All interested parties are welcome to attend both of these meetings, and we encourage shipping companies in particular to attend. Lunches will be made available (at your cost) at the meeting room to allow participants to continue discussions during the lunch break. It is not necessary to contact us to confirm your attendance (however RSVP is needed for harbor tour as noted above). If you did not receive this letter directly, but would like to be on the mailing list for future notification, please contact Mr. Paul Milkey, Technical Analysis Section, at pmilkey@arb.ca.gov or (916) 327-2957.

This facility is accessible to persons with disabilities. If you need special accommodations to attend this meeting, please contact Ms. Sue Wyman at her number listed previously by July 11, 2002. Persons with hearing or speech impairments can contact us by using our Telephone Device for the Deaf (TDD) at (916) 324-9431, or (800) 700-8326 for TDD calls from outside the Sacramento area.

We welcome your participation in this effort. If you have any questions regarding the meeting, please contact Ms. Peggy Taricco, Manager, Technical Analysis Section, at (916) 327-7213, or via e-mail at ptaricco@arb.ca.gov.

Sincerely,

/s/

Daniel E. Donohoue, Chief
Emissions Assessment Branch

Attachment

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cc: Ms. Peggy Taricco, Manager
Technical Analysis Section
Stationary Source Division

Mr. Paul Milkey
Staff Air Pollution Specialist
Stationary Source Division

Susan Wyman
Air Pollution Specialist
Stationary Source Division

AGENDA

Maritime Air Quality Technical Working Group and Incentives Subgroup

July 26, 2002

9:00 A.M. – 3:30 P.M.

Oakland, California

Maritime Air Quality Technical Working Group 9:00 – 12:30

- I. Introductions and Opening Remarks
- II. Port of Oakland's Clean Air Programs
- III. Maritime Updates
- IV. Guest Speakers on Engine and Emission Control Technology
 - Ricardo Consulting Engineers
 - Seaworthy Systems
 - Siemens
 - Man B&W
 - Wärtsilä
- VI. Closing Remarks and Topics for Next Meeting

Incentives Subgroup 1:30-3:30

- I. Introductions and Opening Remarks
- II. Discussion of Potential Control Technologies (current marine applications, potential emission reductions, costs, concerns):
 - Water injection and related technologies
 - Cleaner fuels
 - Selective Catalytic Reduction
 - Engine combustion modifications (fuel injection, EGR, etc.)
 - Emerging Technologies (fuel cells, etc.)
- III. Potential Demonstration Program
- IV. How Can we Provide Incentives to Retrofit In-Use Vessels
- V. Topics for Next Meeting