



**Minutes for the AQMP Advisory Group Meeting
Wednesday, August 9, 2006**

1. Welcome and Introduction

Dr. Elaine Chang, Deputy Executive Officer, Planning, Rule Development and Area Sources, called the meeting to order shortly after 9 a.m. and presented a brief overview of the agenda for the meeting. CARB's staff distributed a handout containing answers from Dr. Michael Benjamin, Chief, Planning and Technical Support Division, to the emission inventory questions asked in the July 12, 2006, meeting. There were no comments raised on the July 12, 2006 meeting minutes or on the agenda.

2. Status of Emission Inventory and Air Quality Modeling

Mr. Joe Cassmassi, Planning & Rules Manager, Planning, Rule Development and Area Sources, gave an update on the inventory progress and indicated that staff had resolved issues related to ammonia baseline inventories for 2009 and 2013. Staff will work on speed correction adjustments for future years and silt loading for paved road dust inventory estimates. Regarding air quality modeling, staff selected CAMx 4.4 with updated SAPRC99 chemistry for ozone modeling and the modeling results for 2002 and 2020 would be used to develop preliminary Relative Reduction Factors (RRFs). For PM_{2.5} modeling, the base years 2005 and 2015 were selected; the assessment for boundary conditions was complete, and multiple testing was being conducted to determine the percent reduction needed for attainment.

3. District's Control Strategy Development

Dr. Chang gave a presentation on AQMD's preliminary concepts for stationary source control measures that include strategies for coatings and solvents, petroleum operations, and combustion sources. The measures for coatings and solvents category included promoting the use of low emitting lubricants and rust inhibitors, targeting emission fees on architectural coatings and other types of coatings, and expanding the Clean Solvent Certification Program. The measures for petroleum operations included improving leak detection and repair, start-up, shut-down, turn-around procedures, and reevaluating the use of cutback asphalt during ozone season. For gasoline transfer and dispensing, staff will focus on increased enforcement actions to reduce non-compliance rates. Lower emission standards for combustion sources such as boilers, water heaters, ovens, and dryers would be further evaluated. Electrification would be examined for internal combustion engines and small external combustion sources. Specific equipment life for each equipment category would be assessed and today's BACT standards would be required for existing sources at the time of retirement. Staff would seek further reductions at RECLAIM facilities by implementing BARCT, BACT and energy efficient measures. Several measures for particulate controls such as targeting PM "hot spots", improving particulate control devices, reducing particulate matter at petroleum refineries, reevaluating controls for under-fired char-broilers and wood-burning fireplaces and stoves will also be addressed. In addition, measures for green waste composting, agricultural operations, as well as residential/commercial urban heat island and energy efficiency/conservation related projects are being evaluated for possible inclusion in the AQMP.

Mr. Zorik Pirveysian, Environmental Technology Assessment Manager, Technology Advancement Office, gave a presentation on mobile source control measures which focused on back stop rules, mitigation fees for federal sources, public sector fleet modernization and expanded exchange programs. He indicated that the cooperation of local governments was crucial to develop and implement measures related to low-emitting vehicle fleets, buildings and land use, and public education and outreach. He also stressed that staff would study the impact of global warming on ozone production, baseline and forecast inventory, and impact of AQMP control measures on global warming, as well as address indirect source control measures such as emission reductions from new or redevelopment projects and CEQA mitigation measures.

4. CARB's Control Strategy Development

Mr. Kurt Karperos, Chief of Air Quality, Transportation & Planning Branch of CARB, gave a presentation on ARB control concepts for the 2007 State Implementation Plan. He indicated that the South Coast Air Basin and San Joaquin Valley were the two most severe non-attainment areas in the 15 non-attainment areas in California. He presented a list of the top-10 NO_x, ROG and SO_x categories. He indicated that existing regulations would provide over 600 tons per day ROG and NO_x reduction by 2015 and the next increment of reductions would require actions by all levels of governments. A list of short-term and long-term strategies was provided. These included, measures

from the goods movement emission reduction plan, revised new engine standards, measures for clean fleets, and emerging technologies for consumer products. The measures for on-road heavy duty and light duty vehicles focused on retrofits, replacements, in-use strategies, and incentives for early retirement. The measures for off-road equipment focused on fleet rules, incentive programs to encourage turnover, new standards, and electrification. Area source concepts included tighter standards for consumer products, product reformulation, and standards for unregulated categories.

5. Closing Remarks/Scheduling Next Meeting/Adjourn

There were no public comments. Dr. Chang indicated that the next meeting would be held on September 13, 2006, and adjourned the meeting at approximately 12:00 p.m.

Attendance
August 9, 2006 AQMP Advisory Group Meeting

MEMBERS PRESENT

Greg Adams, Los Angeles County Sanitation District
Ed Avol, University of Southern California
Don Blose, American Lung Association of Inland Counties
Gerry Bonetto, Printing Industries of California
Shep Burton, Consultant
Wook J. Cho, Korean Drycleaners-Laundry Association
Curtis Coleman, Southern California Air Quality Alliance
Bahram Fazeli, Communities for a Better Environment
Kim Fuentes, South Bay Cities Council of Governments
Rick Gould, City of Santa Clarita
Gretchen Hardison, City of Los Angeles
Kurt Karperos, California Air Resources Board
Bill LaMarr, California Small Business Alliance
Melissa Lin Perrella, Natural Resources Defense Council

Anastacio Medina, American Lung Assn. of Los Angeles
Clayton Miller, Construction Industry Air Quality Coalition
Jonathan Nadler, SCAG
Lucille Van Ommering, California Air Resources Board
Larry Rhinehart, Ryan, P.F. Ryan & Associates
Ty Schuiling, San Bernardino Associated Governments
Gary Stafford, Calif. Furniture Manufacturers Association
Carla Walecka, Realtors Committee on Air Quality
Lee Wallace, SoCal Gas Company
Mike Wang, Western States Petroleum Association
Bob Wyman, Latham & Watkins

MEMBERS ABSENT

Ralph Appy, Port of Los Angeles
David Hayes-Bautista, Center for the Study of Latino Health
Howard Berman, Environmental Mediation
Art Brown, City of Buena Park
Todd Campbell, Coalition for Clean Air
Nathan DeBoom, Milk Producers Council
Bob Dulla, Sierra Research
Vernon Hall, Clean Air Now
Joe Garcia, City of Monrovia
David Gutierrez, City of San Gabriel

Doug Kim, MTA
Mee H. Lee, Lee Consulting Group
Steve Levy, Center for Continuing Study of CA Economy
Glenn Maddalon, American Lung Assn of Orange County
Penny Newman, Center for Community Action and EJ
Peter Okurowski, Association of American Railroads
Bill Quinn, CCEEB
Rebecca Rosen, U.S. EPA
Monte Ward, Orange County Transportation Authority
John Wohlmuth, Coachella Valley Association of Govts.

OTHERS PRESENT

Carol Bohnenkamp, U.S. EPA
Mark Grey, Building Industry Association/Southern CA
Patrick Griffith, Los Angeles City Sanitation District
Warren Huang, Los Angeles County Sanitation District
Kurt Karperos, CARB
Jessica LaCoss, Tetra Tech (POLA)
Julia Lester, ENVIRON
Rita Loof, RadTech

Tanna Manford, The Partnership
Genie McGaugh, Ventura APCD
Jennifer Pinkerton, City of Los Angeles
Karl Rodenbaugh, The Planning Center (LBUSD)
Arnie Sherwood, ITS, UCB, SCAG
Ivan Tether, California Small Business Alliance
Lucille Van Ommering, CARB

AQMD STAFF

Barbara Baird, Principal Deputy District Counsel
Wayne Barcikowski, Air Quality Specialist
Lori Berard, Air Quality Specialist
Joe Cassmassi, Planning - Rules Manager
Elaine Chang, Deputy Executive Officer
Shah Dabirian, Air Quality Specialist
Kevin Durkee, Air Quality Specialist
Patricia Kwon, Air Quality Specialist

Ali Ghasemi, Program Supervisor
Tracy Goss, Program Supervisor
Gary Quinn, Program Supervisor
Minh Pham, Air Quality Specialist
Zorik Pirveysian, TAO Manager
Laki Tisopulos, Assistant DEO
Patti Whiting, Staff Specialist