



## Minutes for the AQMP Advisory Group Meeting Wednesday, November 8, 2006

### 1. Welcome and Introduction

Dr. Elaine Chang, Deputy Executive Officer, Planning, Rule Development and Area Sources, called the meeting to order at 9 a.m. and presented a brief overview of the agenda for the meeting. There was no comments on the October minutes.

### 2. Emissions Update

Dr. Michael Benjamin, Mr. Jeff Long, Dr. David Chou, and Mr. Todd Sax of CARB (participating by phone) presented an overview of the mobile source emissions inventories in the South Coast Air Basin. EMFAC 2007 and OFFROAD models were released in November 1, 2006. Mr. Long highlighted the significant changes in EMFAC 2007 model compared to EMFAC 2002 model which included changes in inventory of pending vehicles, redistribution of HHDTs, updated emission factors for HHDTs, updated activity information and ethanol permeation. He used graphs to show the increases in ROG, NO<sub>x</sub>, SO<sub>x</sub> and PM<sub>2.5</sub> emissions predicted for year 2002, 2014, 2020, 2023 using EMFAC 2007 compared to EMFAC 2002 (e.g. EMFAC 2007 predicted an increase of 30% in PM<sub>2.5</sub>, 17% for NO<sub>x</sub>, 8% for SO<sub>x</sub>, and 3% for VOC for year 2020.) Questions were asked to clarify CARB's approach in estimating the inventory for pending vehicles, population of HHDTs, and percentage of out-of-state HHDTs traveling in the basin. Uncertainty still exists, and Dr. Benjamin welcomed comments to improve their estimates. He indicated that EMFAC would be updated again in 2010 if adjustments were needed.

The OFFROAD model was used to estimate emissions from 17 categories of equipment including construction equipment, lawn and garden equipment and off-road recreational vehicles, and was not applicable for trains, ships, commercial boats, gas cans, and agricultural equipment. Dr. Chou and Mr. Sax provided the updated emissions and changes for 2002, 2005, 2010, 2015, 2020 as compared to the estimates in the 2003 AQMP (e.g. an increase of 21% in PM<sub>2.5</sub>, 16% for NO<sub>x</sub>, 22% for SO<sub>x</sub>, and 18% for VOC for year 2020). Significant changes in ROG, NO<sub>x</sub>, SO<sub>x</sub>, and PM<sub>2.5</sub> emissions were estimated for recreational boats, ships, and off-road equipment such as lawn and garden, and resulted from updated information on population, growth factor, longer useful life, and permeation emissions. Questions were asked to clarify CARB's approach in estimating growth for pleasure crafts, and it was suggested that CARB should verify the 0.0 tpd SO<sub>x</sub> in 2010 and 2020 estimated for recreational boats and trains presented in slide #18.

The Draft 2007 AQMP was developed based on mobile sources emissions previously provided by CARB prior to November 1. Due to significant increases in mobile source inventory estimated by EMFAC 2007 and OFFROAD models, District staff would rerun CEPA and modeling to re-estimate carrying capacities for the Final Draft 2007 AQMP. Ms. Jill Whynot, Planning and Rules Manager, gave a summary of the overall changes in baseline inventories for 2002, 2014, 2020 between the draft and the final draft version and highlighted the categories of equipment with major differences in emissions.

### 4. Summary of Comments Received to Date

Mr. Joe Cassmassi, Planning and Rules Manager, summarized general comments received from the two public workshops conducted in October for the 2007 AQMP. The District strongly committed to conduct better outreach to the business community. Many concerns were raised since the District had assumed too much responsibility in developing and recommending mobile source control measures for EPA and CARB. Uncertainty in "black box" and "bump up" issues could severely impact the decision on business growth. Questions were asked on how the District could expand its budget and funding necessary to implement the upcoming air quality plan. It was recommended that the plan must be developed to minimize the impact on global warming and toxic deposition to waterways.

Specific comments were received on control measures for Facility Modernization (MCS-01), Emission Reductions from New and Redevelopment Projects (EGM-01), Expanded Exchange Program (MOB-02), and Lawn and Garden Equipment (OFFRD-12). The concepts of using tax credits and incentives to promote clean technologies and facility modernization were well supported. The concept of enhancing CEQA process to address mitigation needed for new and redevelopment projects was well supported, as opposed to a mitigation fee program in which mitigation fees are required for housing projects that generated emissions above certain significant thresholds which were strongly discouraged. One commentator was concerned with the impact from the plan on small business operators of lawn and garden equipment.

### 5. Closing Remarks/Scheduling Next Meeting/Adjourn

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

## November 8, 2006 AQMP Advisory Group Meeting

### MEMBERS PRESENT

Stacy Alameida, MTA  
Shep Burton, Consultant  
Mike Carroll, Latham & Watkins  
Wook J. Cho, Korean Drycleaners-Laundry Association  
Curtis Coleman, Southern California Air Quality Alliance  
Diane Forte, Coalition for Clean Air/Environment Now  
Kim Fuentes, South Bay Cities Council of Governments  
Rick Gould, City of Santa Clarita  
Gretchen Hardison, City of Los Angeles  
Bill LaMarr, California Small Business Alliance  
Mee H. Lee, Lee Consulting Group  
Clayton Miller, Construction Industry Air Quality Coalition  
Larry Rhinehart, P.F. Ryan & Associates  
Rebecca Rosen, U.S. EPA  
Ty Schuiling, San Bernardino Associated Governments  
Gary Stafford, Calif. Furniture Manufacturers Association  
Lucille Van Ommering, California Air Resources Board  
Carla Walecka, Realtors Committee on Air Quality  
Lee Wallace, SoCal Gas Company  
Mike Wang, Western States Petroleum Association

### OTHERS PRESENT

Ashley Adams, Keesal, Young & Logan  
Michael Benjamín, CARB  
Carol Bohnenkamp, U.S. EPA  
David Chou, CARB  
Rich Crews, Process Engineer & Manufacturer  
Miles Héller, BP  
Lori Huddleston, MTA  
Tom Ishi, Sempra Utilities  
Julia Lester, ENVIRON International Corp.  
Jeff Long, CARB  
Ralph Morris, ENVIRON International Corp.  
Adrian Martinez, Natural Resources Defense Council  
Christopher Patton, City of Los Angeles  
Todd Sax, CARB

### MEMBERS ABSENT

Greg Adams, Los Angeles County Sanitation District  
Ralph Appy, Port of Los Angeles  
Ed Avol, University of Southern California  
Howard Berman, Environmental Mediation  
Don Blose, American Lung Association of Inland Counties  
Gerry Bonetto, Printing Industries of California  
Art Brown, City of Buena Park  
Nathan DeBoom, Milk Producers Council  
Bob Dulla, Sierra Research  
Bahram Fazeli, Communities for a Better Environment  
Vernon Hall, Clean Air Now  
David Hayes-Bautista, Center for the Study of Latino Health  
Joe Garcia, City of Monrovia  
David Gutierrez, City of San Gabriel  
Steve Levy, Center for Continuing Study of CA Economy  
Melissa Lin Perrella, Natural Resources Defense Council  
Glenn Maddalon, American Lung Assn of Orange County  
Anastacio Medina, American Lung Assn. of Los Angeles  
Jonathan Nadler, SCAG  
Penny Newman, Center for Community Action and EJ  
Peter Okurowski, Association of American Railroads  
Bill Quinn, CCEEB  
Jeb Stuart, Consultant  
Monte Ward, Orange County Transportation Authority  
John Wohlmuth, Coachella Valley Association of Govts

### AQMD STAFF

Joe Cassmassi, Planning & Rules Manager  
Elaine Chang, Deputy Executive Officer  
Dave Coel, Program Supervisor  
Ed Eckerle, Program Supervisor  
Kevin Durkee, Air Quality Specialist  
Carol Gomez, Planning & Rules Manager  
Tracy Goss, Program Supervisor  
Kathy Hsiao, Program Supervisor  
Sang-Mi Lee, Air Quality Specialist  
Patricia Kwon, Air Quality Specialist  
Jean Ospital, Director  
Gary Quinn, Program Supervisor  
Minh Pham, Air Quality Specialist  
Zorik Pirveysian, Env. Technology Assessment Manager  
Steve Smith, Program Supervisor  
Laki Tisopulos, Assistant Deputy Executive Officer  
Barry Wallerstein, Executive Officer  
Jill Whynot, Planning & Rules Manager