

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: December 10, 2004

Time: **10:00 a.m. – 12:00 NOON**

Lunch will be served at 12:00 pm

Place: **COG Board Room, 3rd Floor**

MWCOG, 777 North Capitol St., NE, #300

Washington, DC 20002

Agenda

- 10:00 1. Call to Order and Review of Meeting Summary (November 12, 2004)**
Chairman Dana Kauffman, Fairfax County
- 10:10 2. MidCourse Review: Final Report**
Sunil Kumar, COG/DEP, will present the final draft of the MidCourse Review (MCR) report to TAC for recommendation to MWAQC.
- 10:30 3. Air Quality Trends Report: Update**
Jen Desimone, COG/DEP, will give an update on the status of the Air Quality Trends Report.
- 10:40 4. Control Measure Development: Ranking Control Measures**
Jeff King, COG/DEP, will give a summary of the workgroup's review of the preliminary list and efforts to rank potential new control measures for the 8-hour SIP.
- 11:00 5. 8-hour Conformity Analysis: Report**
Mike Clifford, COG/DTP, will give a report on the draft conformity analysis for the 8-hour ozone standard.
- 11:10 6. EPA's Smartway Program: Options for Local Implementation**
Perry Pandya, U.S. EPA Region III, will give a presentation and answer questions about truck stop electrification, anti-idling, fleet efficiency, and intermodal options to reduce mobile emissions. Paul Bubbosh from EPA Headquarters will answer questions about SIP Credits.
- 11:10 7. SIP and TPB Schedule**
Joan Rohlfs, COG/DEP, will present an updated SIP schedule that includes information on TPB's work program and schedule.
- 11:40 8. State Air Agency Report**
- 11:50 9. Other Business**
- *STAPPA/ALAPCO participation in EPA/FAA Stakeholder Process*
- 12:00 10. Set Date for Next Meeting and Adjourn: January 14, 2005**

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**MWAQC Technical Advisory Committee
Meeting Summary
November 12, 2004
10:00 am – 12:00 pm
COG Board Room**

Present:

Tad Aburn, Maryland Department of Environment
Rick Canizales, Prince William County Department of Public Works
Randy Carroll, Maryland Department of Environment
Howard Chang, Tri-County Council of Southern Maryland
Deirdre Elvis-Peterson, District of Columbia Department of Health
Diane Franks, Maryland Department of Environment
Victoria Greenfield, Charles County Office of the Commissioner
Jeff Harn, Arlington County Department of Environmental Services
Alex Hekimian, Maryland National Capital Parks and Planning Commission
Matthew Jalali, District of Columbia Department of Transportation
Maurice Keys, District of Columbia Department of Transportation
Doris McLeod, Virginia Department of Environmental Quality
Jim Ponticello, Virginia Department of Environmental Quality
Mary Richmond, Montgomery County Department of Environmental Protection
Howard Simons, Maryland Department of Transportation
Bill Skrabak, City of Alexandria Department of Environmental Quality
Kanti Srikanth, Virginia Department of Transportation
Didian Tsongwain, Prince George's County Department of Environmental Resources

Staff:

Mike Clifford, COG/DTP
Jeff King, COG/DEP
Sunil Kumar, COG/DEP
Eulalie Lucas, COG/DTP
Joan Rohlf, COG/DEP
Daivamani Sivasailam, COG/DTP

Observers:

Walter Seedlock, Metropolitan Washington Airports Authority
Tom Biesiadny, Fairfax County Department of Transportation
Debra Jacobson, George Washington University School of Law
Julie Crenshaw, AQPAC
Tim Nutter, Northern Virginia Transportation Alliance

1. Call to Order

Mr. Kauffman called the meeting to order at 10:10 a.m. The minutes of the October 8, 2004 meeting were approved as amended. Jim Ponticello clarified that MANE-VU modeling efforts may not be appropriate for the Washington DC-MD-VA nonattainment area. One reason is that the modeling does not use a 4 km grid. The New York Department of Environmental Conservation therefore may not be handling the modeling efforts for this region. Maryland, the District of Columbia, and Virginia will need to coordinate to resolve.

2. Mid Course Review: Status Report

Sunil Kumar reported on recent edits and changes to the Midcourse Review. He added recently calculated trend lines, a new proportional extrapolation method for predicting attainment year design value, and an analysis of number of exceedance days compared to number of days with temperatures greater than 90°F.

Tad Aburn commented that the spatial analysis figure would be more compelling if the color used to indicate the area in exceedance also reflected lower ozone concentrations. If using a different hue is not feasible, he recommended showing the actual concentration in a text box.

Mary Richmond asked whether the region could claim reductions from stationary sources, even though the actual reductions did not occur because of allowance trading. Diane Franks and Joan Rohlf's responded that EPA NO_x SIP Call regulations allow SIP credit even if states allow emission allowance trading. Joan Rohlf's also said that Maryland will have to go through an emissions true-up since it has an active trading program. Ram Tangirala said that the 2005 emissions are projections, and actual emissions will be delineated in the next Periodic Emissions Inventory.

Jeff Harn expressed some concern over the trend line analysis, stating that without consideration of the 1988 data, the trend line would appear more flat. This may have implications for our projections of attainment in 2005. Ram Tangirala noted that 1988/89 time period was the basis for the region's designation so should be considered. Dana Kauffman and Joan Rohlf's said that 1988 and 2002 were particularly hot years and therefore had a significant impact on the area's design value. Kanti Srikanth said that the trend lines stop at 2004 and are not the basis for the 2005 attainment prediction.

Kanti Srikanth said that figure showing the percentage difference in ozone exceedance/days >90°F was hard to understand. He recommended including Table 5 in the presentation because it contains the data used for the figure. Tad Aburn summarized the findings depicted in the figure, stating that the number of exceedance days per 90°F is going down, it was 2:1, then 1:1, now it is less than 1:1. Howard Simons said that this explanation helped to clarify the figure.

Dana Kauffman asked that a transmittal memo and a "good news" press release be drafted to accompany the release of the final Midcourse Review report at the December MWAQC meeting.

3. Control Measure Development: Priority Measures Lists

Jeff King presented a list of control measures developed by the control measures workgroup. He said that the control workgroup met once to review the complete list of measures and to develop a short list of measures that could be prioritized for development.

Dana Kauffman asked about the timeline for development of control measures. Joan Rohlf's said the ROP will be completed in 2006 and the SIP will be in 2007. Because some measures require rulemaking, it is necessary to start the process early.

Jim Ponticello asked what emissions were being targeted under the measure "Federally preempted controls". Tad Aburn responded that it is primarily locomotives, airports, and marine vessels, but not fuels.

Julie Crenshaw said she was concerned that the 2 measures that AQPAC had suggested in May or July were not included on the list. Joan Rohlf's responded by saying that the two measures suggested by AQPAC were included in the complete list of options available to TAC, but that the workgroup had not yet decided to add the two options to the shorter priority list. Joan Rohlf's suggested that AQPAC also review the complete list and suggest to TAC a list of priority measures. Diane Franks said that aspects of the AQPAC suggestions are included in EPA's Smartway program, which also handles truck stop electrification. She suggested that TAC receive a presentation from EPA on this program.

Tad Aburn asked that information on emission reduction potential be included for each option. Kanti Srikanth said that the next steps of the workgroup would be to begin the technical analysis for the options list, including developing information on potential emission reductions. Howard Simons asked when is the ROP due and whether new control measures would actually be needed. Joan Rohlf's said that the ROP guidance will not be out until February/March 2005 and that additional control measures will likely be needed to reach attainment of the 8-hour ozone standard in 2010.

4. Update on Transportation Conformity for the 2004 CLRP and 2005-2010 TIP and the 8-hour Conformity Analysis.

Mike Clifford summarized the status of TPB's 8-hour ozone conformity analysis. Last month, the 2010 project submissions and work scope were approved. Staff are currently handling network coding. The database GIS updates were provided to the modeling group. Travel forecasts and emission factors are expected early next week. The draft 8-hour conformity report will be submitted to the technical committee on December 3, and then to TPB for release for comment and interagency review on December 15.

Jeff King summarized the results of TAC's recommendations to MWAQC regarding TPB's *Air Quality Conformity Determination Of The 2004 Constrained Long Range Plan And The FY2005-2010 Transportation Improvement Program For The Washington Metropolitan Region*. The draft comment letter prepared by TAC and sent to MWAQC was approved and sent to Chairman Zimmerman of TPB. The next conformity review will be in December on the 8-hour determination once it is released.

5. Voluntary Measures: Tracking Implementation

Jeff King reviewed tracking implementation of voluntary measures. The jurisdictions with commitments will be required to prepare an annual report for submission to the state air agencies. The air agencies need to develop a formal system for reporting. The annual reports will be used for an Evaluation Report due in March 2007. A summary of voluntary commitments with the recordkeeping and reporting requirements has been circulated. In addition, forms have been provided to jurisdictions for tracking implementation progress. These

tracking forms can be submitted to COG for preliminary tracking and may serve as the basis for the annual reports due to the states.

6. MWAQC Schedule: Update

Joan Rohlfs summarized changes to the MWAQC schedule. Both the November 24 and December 22 meetings have been cancelled. The next MWAQC meeting will be held at 9:30 on December 15 before the TPB meeting at noon. The TAC will meet next on December 10 and the Executive Committee will meet on December 8. Main items on the next MWAQC agenda will be the MCR report and a presentation on multi-pollutant legislation, including information on EPA's Clean Air Interstate Rule and Maryland and Virginia's pending legislative proposals.

7. State Air Agency Report

Mr. Ponticello reported that the Virginia State Air Board adopted the Consumer Products Rule last week. In the SIP, this was treated as a voluntary measure. The Rule is now in the Executive Review process. The Rule is expected to be in place early next year.

Mr. Aburn reported that Maryland is expecting the PM_{2.5} designations soon. The state is coordinating with EPA and is hoping to reduce the number of counties designated as nonattainment. He also said the Section 185 process is still outstanding.

Mr. Ram Tangirala said the District Department of Health has nothing to report.

8. Other Business

Joan Rohlfs provided information obtained at the OTC Fall meetings, including presentations by Jeffrey Holmstead, Assistant Administrator for EPA. EPA has changed the schedule for release of Phase II of the 8-hour ozone implementation guidance; release is now anticipated in February or March, 2005. Guidance on Rate of Progress and attainment modeling will be released after the Phase II guidance. EPA's current priorities are to finalize the PM designations and the Clean Air Interstate Rule (CAIR) before the end of the year. EPA would prefer a legislative solution such as Clear Skies Initiative, and expects court challenges to CAIR. State representatives at the meeting expressed some concern about lack of CAIR photochemical modeling results from EPA, and the timing of reductions from the regulation for attainment purposes. There was also concern expressed over challenges to the AIMs rule. Jeffrey Holmstead asserted that CAIR reductions should result in attainment of the PM_{2.5} standard by 2015. Julie Crenshaw asked if Mr. Holmstead specified which PM type. Tad Aburn responded by saying that PM fine is complex, and that EPA is not differentiating in the designation process. Speciation will be important in control strategy development.

Tad Aburn, who attended the OTC meeting, said that OTC is trying to focus on those parts of the process that are working well (e.g., the NO_x SIP call). The OTC position is that the proposed CAIR will be revised to have more emission reductions, and emission reductions that occur sooner. OTC is also developing its own recommendations for member states, including a model rule with state caps. He said that the focus in the midwest has changed, with growing interest in regional power plant controls and financing pollution abatement technologies to gain competitive advantage.

Ram Tangirala and Jim Ponticello discussed EPA's new guidance on Mobile 6.2. They recommended that the TAC Conformity Subcommittee address issues raised by the new

guidance, including temperature, humidity, and travel demand inputs to the mobile emissions estimation process for transportation conformity. Mike Clifford agreed that certain aspects of the process used to estimate daily vehicle miles traveled may need to be reevaluated. In particular he mentioned the technique used to scale annualized average daily traffic to average weekday traffic. Currently a factor of 10 percent is used based on data from Baltimore.

Tad Aburn said that stakeholder participation in TAC will begin in January. Joan Rohlf's said that with the bylaws change, there will be a new TAC chair, consisting of the state air agency leads in rotation. At the next MWAQC meeting there will be an election of officers. She confirmed that the new MWAQC bylaws now specify that stakeholders will be nominated to participate on TAC.

9. Set Date for Next Meeting and Adjourn: December 10, 2004

The TAC will meet next on December 10, 2004 from 10 a.m. to 12 p.m. There being no further business, the meeting was adjourned at 12:00 p.m.