

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: May 20, 2005

Time: **12:00 noon – 2:00 pm**

Lunch will be served at 11:30 pm

Place: **COG Rooms 4/5, 1st Floor**

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

Washington, DC 20002

Agenda

- 12:00 1. Call to Order and Review of Meeting Summary (April 8, 2005),**
Chairman Tad Aburn, Maryland Department of the Environment
- 12:10 2. PM Source Apportionment: Report**
Dr. Russell Dickerson, University of Maryland, will discuss recent research on PM source apportionment.
- 12:40 3. Emission Inventory: Update**
Joan Rohlfs, COG/DEP, will discuss the status of controlled and uncontrolled emission inventories for 2002 and 2009.
- 12:50 4. Attainment Modeling: Update**
Joan Rohlfs, COG/DEP, will discuss the status of attainment modeling efforts for the 8-hour ozone SIP.
- 1:00 5. Control Measures Planning Session: Report**
Jeff King, COG/DEP, will discuss the upcoming MWAQC strategic planning session on control measures for the 8-hour ozone SIP.
- 1:15 6. Draft Letter on Proposed Barton Amendment: Action**
Joan Rohlfs, COG/DEP, will present a draft MWAQC comment letter on the Barton Amendment to the Energy Bill.
- 1:30 7. Draft Letter on Proposed Military Readiness Exemption: Action**
Jeff King, COG/DEP, will present a draft MWAQC comment letter on the proposed Clean Air Act exemptions for military readiness activities.
- 1:45 8. State and Local Air Agency Report**
- 2:00 9. Set Date for Next Meeting, Future Agenda Items, Adjourn:**
Next TAC Meeting: June 10, 2005

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**MWAQC Technical Advisory Committee
Meeting Summary
April 8, 2005
10:00 am – 12:00 pm
COG Board Room**

Present:

Tad Aburn, Maryland Department of Environment
Tom Biesiadny, Fairfax County Department of Transportation
Rick Canizales, Prince William County Department of Public Works
Howard Chang, Tricounty Council of Southern Maryland
Kipp Coddington, Greater Washington Board of Trade
Barbara Hardy, Fairfax County Department of Environmental Services
Alex Hekimian, Maryland National Capital Parks and Planning Commission
Maurice Keys, District of Columbia Department of Transportation
Doris McLeod, Virginia Department of Environmental Quality
Chris Meoli, Virginia Department of Environmental Quality
Jim Ponticello, Virginia Department of Environmental Quality
Mary Richmond, Montgomery County Department of Environmental Protection
Bill Skrabak, Alexandria Department of Environment Quality
Arnold Solomon, Mirant MidAtlantic
Ram Tangirala, District of Columbia Department of Health
Julie Thomas, National Park Service
Didian Tsongwain, Prince George's County Department of Environmental Resources
Flint Webb, Fairfax County Federation of Citizens Association

Staff:

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

Observers:

Julie Crenshaw, AQPAC
Gary Koerber, U.S. Department of the Navy Regional Environmental Coordinator Region III
Charley Baummer, Metropolitan Washington Airports Authority
Walter Seedlock, Metropolitan Washington Airports Authority

1. Call to Order

Mr. Aburn called the meeting to order at 10:10 a.m. Each of the new stakeholder participants was introduced. Julie Crenshaw said that a short orientation is needed for new TAC members. The minutes of the March 11, 2005 meeting were approved.

2. Control Measures Prioritization Report: Update

Jeff King, COG/DEP, provided an update on developing a list of proposed priority measures for the 8-hour ozone SIP. The region is still early in the process; a first cut at strategies should be completed by the middle of summer. The strategies would then be available for public input. State regulatory action should occur before spring of 2006. The IAQC is taking up the issue of transport and upwind strategies; the next meeting is scheduled for late May.

In response to concerns expressed by Julie Crenshaw about removal of measures from the priority list, Tad Aburn said that the measures listed are not final and there will be continued opportunity to modify and adjust both the master list as well as the priority list.

Ram Tangirala suggested that at some point all cost estimates for control measure evaluation be adjusted to 2002\$ to correspond with the base year.

In response to a question from Flint Webb about emission reduction requirements, Tad Aburn said that requirements should be estimated by this summer, and will be addressed under a later agenda item.

Alex Hekimian asked why cetane enhancement is on the priority list if it has low emission reduction and high cost. Tad Aburn and Doris McLeod said that the rankings are based on a qualitative assessment and that recently the cetane measure was split into on-road and non-road categories. If considered together the cetane measure has medium emission reduction potential.

Mary Richmond asked why tree canopy and energy efficiency were not on the innovative measures bundle list. Jeff King and Tad Aburn said it was an oversight and should be added.

Bill Skrabak commented that a potential new measure for the list could be DOT handling of open space near roadways. If areas were converted to forest, the region could benefit from increased tree canopy as well as reduced emissions from mowing.

Kipp Coddington asked about the airport cap. Would this only address Ground Service Equipment, or is it a catch all? Tad Aburn said this will be discussed under Item 3 of the agenda.

Ram Tangirala requested that those measures already being implemented with a potential for expansion be noted.

In response to a discussion about tree canopy projects, Walter Seedlock recommended that zoning regulations be evaluated for each jurisdiction.

3. Airports Workgroup: Report

Tad Aburn, MDE, provided a report on the airports workgroup. He said that the initiative involves identifying common sense approaches to reducing emissions at airports. The program would be a voluntary cap for the three large airports in the region, based in part on the approaches that have been taken in other regions such as Boston. A workgroup has been formed to identify what can be done. In response to an earlier question from Kipp Coddington, Tad said that emission reduction from ground service equipment is one potential approach.

4. Status of Voluntary Measures

Jeff King, COG/DEP, provided a report on the status of implementing the voluntary bundle commitments from the 1-hour ozone SIP. He said that the region has met its commitments from the 1-hour SIP. He shared two tables with information on status of implementation of programs in the region. Kipp Coddington asked for an explanation of the voluntary bundle. Tad Aburn said that EPA became concerned that the SIP requirements were discouraging innovation. The concept of bundling together measures was introduced to resolve. The region must meet the total overall reductions from the bundle, but has flexibility in which measures in the bundle are implemented. Flint Webb asked if the region is tracking the reductions. Tad Aburn said yes. Barbara Hardy announced that Fairfax County has teamed with Arlington County to commit to purchase 5 percent of its electricity from wind energy. In response to a question from Ram Tangirala, Joan Rohlfs said that Virginia does not have a mechanism to retire NOx allowances similar to Maryland, but that Virginia DEQ is working on it. Doris McLeod said that the modifying the regulation will be a long process. Tad Aburn noted that there is a workgroup addressing the implications of the new Clean Air Interstate Rule on the NOx SIP Call set-aside. This will need to be revisited.

5. Recap of Planning Requirements and Schedule

Joan Rohlfs, COG/DEP, provided a review of the SIP planning schedule. She said that the EPA guidance has still not been released. COG has worked with the states to develop the schedule. The current plan is to complete the SIP 9 months before the due date. Progress is being made in developing local and regional control measures. Attainment modeling is being set up, the results of the first run should be available in about a month. There may be no 2008 Reasonable Further Progress requirement. Given time constraints, EPA has focused on the attainment SIP. Control measures will need to be in place by the beginning of the 2009 ozone season. Emission reduction requirements should be known by summer of 2005. The control measure development process, including public participation, should occur through Fall 2005.

Kipp Coddington asked about whether controls in upwind areas will be required for attainment, and whether Section 126 petitions will be used. Joan Rohlfs said that the new Clean Air Interstate Rule (CAIR) does address some of the transport problem and that the IAQC is considering upwind controls. Tad Aburn said he is chairing an OTC workgroup that is looking to promote controls will that go beyond the CAIR requirements. EPA guidance may not include the traditional 3%/year requirement and may instead focus on the reductions needed for attainment. If the area is influenced by overwhelming transport, there may be more upwind reductions needed. The OTC multipollutant approach may be one way to address large stationary sources. However, reductions may be needed from other sectors as well, including ground level area sources and smaller point sources. In response to a question from Flint Webb, Tad Aburn said that the OTC approach may in fact be able to cause reductions in non-OTC member states in the midwest, such as Ohio. He also said there are good signs coming out of the midwest, for instance, one midwest RPO has already stated that a second round of EGU emission reductions may be required for PM. He also said that it is likely that the Section 126 process will be used.

Jim Ponticello said that Virginia DEQ is concerned about the schedule. Reduction targets will depend on attainment modeling which won't be available until the end of the year. Also, EPA's guidance is still pending. It may not be reasonable to complete the SIP by September 2006. Ram Tangirala said that this is why the target deadline has been noted with an asterisk. The overall schedule is not too ambitious and represents a reasonable plan. He also said that we won't need to know all of the selected control measures to complete attainment modeling efforts. Tad Aburn said there will need to be some compromise. He said that the local officials are interested in seeing the region develop the plan as quickly as possible because we need clean air. Tad also said that the PM and regional haze is on a parallel track, with milestones in 2008. Flint Webb recommended that the region work with other states to push the process. He asked if the region could submit the modeling protocol for EPA to approve. Tad Aburn said that there will be an OTC multi-state modeling protocol.

Maurice Keys asked if the FY 2006 conformity determination will be reliant on the SIP and whether a separate determination will be required. Mike Clifford said that the assessment criteria will be the interim budgets. He also said that the region will have to deal with PM, but that there is currently no budget and EPA's PM 2.5 precursor guidance is still pending.

6. Emissions Inventory for 2009 (Uncontrolled)

Sunil Kumar provided an update on emission inventory development. He described which agencies were responsible for developing emissions inventories and provided a summary of the status of the 2002 Base Year and 2009 projections for each of the sources. For the mobile source inventories, he discussed the results of sensitivity analyses evaluating temperature and humidity inputs, and said that MOBILE6.2 runs would begin soon. For the Nonroad sources, he said that the projection methodology is still being developed. Point source information is still pending from Maryland and Virginia. Area source inventories are nearly complete, additional work is needed on portable fuel containers and controls for future year inventories.

Joan Rohlf's said that it is important that the states request from the DMVs the automobile registration and VIN data needed for the mobile emissions analysis. These data may be available after July 2005.

Jim Ponticello said that the recently provided Virginia point source estimates used the SIC code growth factors. The emission estimates will be revised to use the SCC EGAS factors.

Jim Ponticello said that EPA will be releasing guidance on the rebuild effects. He said that as part of the VISTAS process, Virginia agreed to use 25 percent. Ram Tangirala said that as part of the OTC process, Maryland and the District agreed to use 10-11 percent for 2002. Jim Ponticello said that Gary Dolce of EPA said the actual compliance rates may range from 10-30 percent, but that it's probably near the high end of the range. Mike Clifford said that changes are expected in the final inventories, due to network codings and DMV data.

7. Attainment Modeling: Update

Joan Rohlf's provided an update on the status of attainment modeling efforts. She said two primary decisions being made are grid size and episode selection. She said that the New York Department of Environmental Conservation is taking the lead for the Ozone Transport Region, with preliminary results expected in June 2005.

Tad Aburn said that there are two modeling efforts being developed for the Washington, DC area in parallel; the OTC and VISTAS efforts. Ram Tangirala suggested that the forecast subcommittee be involved in helping to specify the episode selection.

8. Forecasting for the 2005 Season: What's New

Due to time constraints, this presentation was postponed.

9. Work Plan and Budget

Joan Rohlf's, COG/DEP, presented the FY 06 MWAQC work plan and budget. She said that the work plan and budget start in January 2005 because of the change to the MWAQC bylaws. Another change is that the funding levels are split 1/3 each state air agencies, state transportation agencies, and local governments. There was an agreement to have fewer meetings during 2005 because there are fewer policy decisions anticipated. Also, the work plan and budget need to be amended to remove reference to the 2008 RFP SIP requirement. The focus will be on the 2009 attainment SIP. In response to a question from Alex Hekimian, Joan Rohlf's said the first MWAQC strategic planning session will be in May 2005 and will focus on control measures. Bill Skrabak suggested that a topic for a planning session be on local zoning, land use, and transportation management plans. In response to a question from Ram Tangirala,

Joan Rohlf's said that the approval is required for the entire budget, not just the local component. Maurice Keys asked if an agreement was reached regarding the funding split with the DOTs. Tad Aburn said that MDOT agreed. Joan Rohlf's said that there will be a phone call on Monday to discuss the funding commitments. Jim Ponticello said that he understands there is no opposition from Virginia. The group agreed to recommend the work plan and budget to MWAQC for approval.

10. State and Local Air Agency Report

Tad Aburn reported that neither the CAL LEV II nor the Multipollutant bill made it out of committee. He also said that EPA action is expected in May on the Washington, DC area SIPs. He said at the next TAC meeting there will be a presentation on PM_{2.5} speciation. The District of Columbia and Virginia had nothing to report.

Didian Tsongwain said that an Air Quality workgroup in Prince George's County is in the final stages of finalizing a telework program beginning next fiscal year. He also said they are moving forward with a lawnmower exchange program where county residents can exchange gas powered lawn equipment with electric. Tad Aburn said he'd ask MDOT to provide information on their exchange programs.

Barbara Hardy asked for information to help Fairfax County with bus idling and electrification efforts, especially near the Mt. Vernon monitor.

11. Set Date for Next Meeting, Future Agenda Items, and Adjourn: May 20, 2005

The TAC will meet next on May 20, 2005 from 12 p.m. to 2 p.m. Suggested future topics include OTC Corridor Strategy and OTC Multipollutant Position. Flint Webb also raised a question about the New Source Review remand. Tad Aburn said that MDE will comment and is involved in the litigation. Doris McLeod said that Virginia DEQ is considering the implications of the change from 25 to 50 tpd de minimus threshold for general conformity. Tad Aburn said that the OTC is also considering responses to this issue. There being no further business, the meeting was adjourned at 12:15 p.m.