

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: April 10, 2007

Time: 10 am to 12 pm

Place: TELECONFERENCE

Call In Number 1-888-898-8635

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DRAFT Agenda

- 10:00 1. Call to Order and Review of Meeting Summary (March 6, 2007)**
Chairman Ram Tangirala, District Department of the Environment
- 10:10 2. 8-hour Ozone SIP Update**
Joan Rohlfs, COG DEP, will discuss SIP planning for the 8-hour ozone SIP. She will discuss the public hearing schedule and comments received to date.
- 10:20 3. PM2.5 SIP Update**
Joan Rohlfs, COG DEP, will discuss SIP planning for the PM2.5 SIP. She will discuss the schedule for completing the PM SIP by April 2008.
- 10:30 4. Emission Inventory Subcommittee**
Sunil Kumar, COG DEP, will report on the activities of the Emission Inventory Subcommittee. He will also discuss PM SIP inventory development.
- 10:40 5. Conformity Subcommittee**
Diane Franks, MDE, will report on the activities of the Conformity Subcommittee. A draft comment letter on TPB's scope of work for ozone and PM conformity will be discussed.
- 10:50 6. Local Government Initiatives Subcommittee**
Jeff King, COG DEP, will provide a summary of the March 2007 Evaluation Report.
- 11:00 7. Draft EIS for DOD BRAC**
DoD representatives will discuss the recent draft EIS for BRAC at Ft. Belvoir.
- 11:20 8. COG Climate Change Steering Committee**
Stuart Freudberg, COG DEP, will discuss the COG Climate Change Initiative, including the draft resolution to be considered by the COG Board on April 11.
- 11:30 9. Other Business**
- 11:40 10. State and Local Air Agency Report**
- 11:50 11. Set Date for Next Meeting, Future Agenda Items, Adjourn:**
Next TAC Meeting: May 8, 2007



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**MWAQC Technical Advisory Committee
Meeting Summary
March 6, 2007 10am to 12pm
Rooms 4/5, 1st Floor**

Present:

Tom Ballou, Virginia Department of Environmental Quality
Randy Carroll, Maryland Department of Environment
Deirdre Elvis-Peterson, District Department of Environment
Bhesh Dhamala, Fairfax County Department of Health Services
Brian Hug, Maryland Department of Environment
Maurice Keys, District Department of Transportation
Jon Kinsman, Edison Electric Institute
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality (by teleconference)
Doris McLeod, Virginia Department of Environmental Quality
Bob Owolabi, Fairfax County Department of Transportation
Pam Parker, Montgomery County Department of Environmental Protection
Jim Ponticello, Virginia Department of Transportation
Bill Skrabak, City of Alexandria (by teleconference)
Howard Simons, Maryland Department of Transportation
Bob Stroik, National Park Service
Ram Tangirala, District Department of Environment
Chris Voigt, Virginia Department of Transportation
Flint Webb, Fairfax County Federation of Citizens Associations

Staff:

Mike Clifford, COG/DTP
Stuart Freudberg, COG/DEP
Jeff King, COG/DEP
Sunil Kumar, COG/DEP
Eulalie Lucas, COG/DTP
Erin Morrow, COG/DTP
Joan Rohlfs, COG/DEP
Daivamani Sivasailam, COG/DTP

Observers/Participants:

Gary Allen, Center for Chesapeake Communities
Charley Baummer, Metropolitan Washington Airports Authority
Julie Crenshaw Van Fleet, AQPAC
Debra Jacobson, George Washington University Law School

1. Call to Order and Review of Meeting Summary (February 13, 2007). Mr. Tangirala called the meeting to order at 10:15. The minutes of the February 13, 2007 meeting were approved with no changes. Ram Tangirala said that the TAC held a brief conference call after the last meeting and the call was not reflected in the meeting summary. During the call on February 26, members reviewed two scenarios for the attainment contingency plan. Both scenarios include reductions from portable fuel container, on-road, and non-road rules. The alternate 2011 scenario raised the level of reductions from on-road sources to 5 tpd, reducing the contribution from non-road sources. Members agreed to recommend to MWAQC only the 2011 scenario with 1.77 tpd from Tier 2 motor vehicle standards.

2. Draft SIP Overview

Joan Rohlfs discussed the draft SIP. The draft SIP is posted on COG's sharepoint site (<http://sharepoint.mwcog.org/airquality/default.aspx>). Once it is approved by MWAQC, the 8-hour ozone SIP will remain at this site for the public hearings. The SIP contains the base year inventory, a Reasonable Further Progress (RFP) and attainment demonstration, a contingency plan, and a weight of evidence analysis. The SIP also establishes mobile budgets for 2008, 2009, and 2010. A technical editor has been hired to address grammatical and other remaining editorial issues.

Members discussed items needed to complete the draft SIP for MWAQC consideration and approval. All states agreed that the new OTC VOC model rules would be effective no later than May 2008 or May 2009, depending on the rule. States agreed that the RACT recertification SIPs recently submitted to EPA should be cited in Chapter 6.

Joan Rohlfs discussed the process for completing the draft SIP for MWAQC. Comments on the current draft should be submitted no later than Thursday March 8. The revised draft for the MWAQC meeting will be posted on March 9. For the MWAQC meeting, only the Executive Summary and Table of Contents will be distributed in hard copy. Public hearings will be held during the week of April 23.

Members agreed to strengthen the conclusions of the SIP, specifically stating that the attainment modeling, combined with weight of evidence analysis, provide strong evidence that the region will attain the 8-hour ozone standard in 2009.

3. SIP Emission Inventories

Sunil Kumar reported on the emission inventories included in the draft SIP. The SIP includes a 2002 base year inventory as well as uncontrolled and controlled inventories for 2008 and 2009. He provided tables showing the total inventories for each category and jurisdiction, and discussed a list of recent changes to the inventories. Some of the recent changes include adding a footnote to the emission inventory tables about the District's decision to reserve credit for the OTC VOC model rules, and revising the point source estimates to reflect revisions received from the state air agencies.

Ram Tangirala explained that the DC point source inventory was revised to reflect expectations of emissions under CAIR. Tom Ballou asked if the change should have been reflected in the modeling inventories. Ram Tangirala said that it is not necessary because the modeling inventories were developed as part of the MANEVU process and are based on EPA's IPM projections.

In response to a question from Flint Webb, Brian Hug said that the only source treated as a quasi-point source is Andrews Air Force Base. Sunil Kumar said that TCMs are subtracted from the mobile emissions estimates to determine the mobile budget. Additional details on nonroad emissions will be included in an Appendix but will not affect the overall nonroad totals.

Joan Rohlfs said that the base year inventory needs to go to public hearing so should be included

in the hearing notices.

4. SIP Local Government Voluntary Commitments

Jeff King reported on the voluntary bundle included in the draft SIP. Local government commitments include expanded wind energy purchases, LED traffic signal retrofits, building efficiency and Green Building programs, Clean Energy Rewards program, Renewable Portfolio Standards, use of low-VOC paints, and enhanced enforcement programs. Local governments are committed to completing diesel retrofit and low-emission vehicle purchase programs, however, such projects have been removed from the voluntary bundle and are now reserved for use as weight of evidence or as TERMS for conformity. He said that several commitment letters are still pending.

In response to a question from Howard Simons, Jeff King said that no discount factors were applied in estimating the emission reduction credits for individual measures within the bundle. However, there are several programs where credit is not taken that could be used to backfill any underperforming measures. Doris McLeod said that the Virginia Remote Sensing program will always have zero credit.

5. Use of Mobile Measures in the SIP

Jeff King reported on the use of mobile measures in the SIP as TCMs, weight of evidence, and conformity. In response to a letter request from TPB, MWAQC and TPB staff have reviewed the list of mobile measures advanced by the local governments as part of the SIP development process to ensure no double counting with projects already submitted as TERMS, and to estimate potential emission reduction credits for the programs. Several projects were identified as either already included in the TERMS analysis, or as lacking sufficient information to make a determination on potential emission benefit. For the remaining projects, the reduction potential for diesel retrofit projects is estimated to be approximately 0.3 tpd VOC, and for low-emission vehicle purchases, approximately 0.003 tpd NO_x. The local governments decided to remove these projects from the voluntary bundle and reserve them for use as weight of evidence or as TERMS for conformity.

6. Contingency Plan for RFP and Attainment

Jeff King reported on the Contingency Plan included in the draft SIP. The SIP will include contingency measures for potential failures to meet RFP in 2008 or attainment in 2009. Contingency measure reductions must total 3 percent of the adjusted base year inventory for either VOC or NO_x, or combination of NO_x/VOC. For RFP contingency, measures will include the CAIR and Healthy Air Act and Portable Fuel Container Rule reductions anticipated to occur between 2008 and 2009. For attainment contingency, measures generating emission reductions between 2009 and 2010/2011 include Tier 2 motor vehicle emission standards; non-road sector reductions from various federal programs; and the OTC Portable Fuel Container rule. An outyear 2010 mobile budget must be established in order to claim attainment contingency credits for the Tier 2 standards. MWAQC formally requested to TPB that up to 9 tpd NO_x be provided for the contingency plan if additional reductions are required to meet the target. TPB approved this request on February 21.

Ram Tangirala asked if the current contingency plan for RFP has been modified from previous proposals.

Brian Hug said that previously the plan was to include an 18% RFP demonstration to satisfy the contingency requirement, but since contingency reductions should be attributed to specific measures the plan was revised to include a list of specific measures generating the required reductions between 2008 and 2009.

7. Weight of Evidence

Diane Franks discussed new programs such as High Electricity Demand Day, Code Orange Telecommuting, and Tree Canopy programs for use in weight of evidence for the draft SIP. Ram Tangirala said that MDE recently proposed that these programs be included in the SIP, and the details have not yet been considered by the Attainment Modeling Subcommittee. Based on recommendations from Tom Ballou and Ram Tangirala, members agreed that the TAC would support the decision made during a special call of the subcommittee that will be convened to decide on how and what to include in

the weight of evidence portion of the SIP.

Diane Franks provided a brief overview of the concepts behind the new programs. The concept of the Code Orange Telecommuting program is to encourage significant new efforts to reduce commuting on the worst air quality days during the summer. Preliminary modeling conducted by the University of Maryland suggests that an aggressive telecommuting initiative could reduce ozone levels by 2-4 ppb. Clean Air Partners will start working on the program this spring. She said that some aspects of the program are actually already established, such as the Code Orange emails that are sent during the ozone season.

The proposed High Electricity Demand Day (HEDD) initiative is based on work done by Chris Salmi and Tonalee Key of New Jersey, and Anne Gobin of Connecticut as part of the OTC process. Emissions from electrical generating units that operate on the hottest days of the year are typically not included in the emissions inventories developed for SIPs. Peaking units also tend to operate during the days with the highest pollution levels. The goal is to develop a voluntary partnership program to reduce emissions from these units to reduce associated air pollution occurring on days with poor air quality. The initiative will also focus on additional energy efficiency and renewable energy projects, clean distributed generation, and metering/pricing. Stuart Freudberg said that this program should be developed with careful consideration of other energy reliability issues associated with the PJM. Bill Skrabak said that this issue has been raised with regard to Consent Decree for the Potomac River Power Plant, the specific concern being that with additional controls being installed at other facilities, there may be an incentive to shift generation to the Potomac River facility due to cost considerations. He asked that the states reconsider this issue during on-going work on the relevant Consent Decrees. Jon Kinsman said that the OTC process has worked well, but he is not in a position to know the outcome. Diane Franks recommended that the OTC MOU be included in the SIP to support the weight of evidence section.

8. Special Meeting of the Ozone Transport Commission

Brian Hug reported on a recent meeting of the Ozone Transport Commission held on March 2. The meeting addressed two main items: CAIR Plus and the HEDD initiative. A statement on CAIR Plus was adopted, specifically urging member states to continue to work with EPA to develop a program that provides emission reductions from power plants beyond the reductions generated by CAIR. Participating states agreed to sign an MOU to develop the HEDD program. Maryland agreed to sign the MOU and implement a voluntary HEDD program for the SIP by June. In Maryland, the HEDD program may generate benefits of approximately 24 tpd NO_x.

9. State and Local Air Agency Reports

Virginia had nothing to report.

Brian Hug reported for Maryland. He said that MDE is finishing draft SIPs for the Baltimore and Philadelphia regions. The legislative session ends in April. One of the main items being considered is a bill to address greenhouse gases. There will be a May 1, 2007 hearing on the OTC VOC rules.

Deirdre Elvis-Peterson reported for the District. The District has received comments on the draft CAIR rule from EPA, so will be addressing those comments to complete the draft rule.

Bill Skrabak reported for Alexandria. He said that the Mirant Potomac River Power Plant had to operate at full capacity recently when the transmission lines were not operational. This caused monitored exceedances of the SO₂ health standard at the eastern fenceline, as modeling had predicted. He said that this facility should be addressed as a PM hotspot during PM SIP development. Modeling indicates issues with both the annual and daily standard for this facility.

12. Set Date for Next Meeting, Future Agenda Items, Adjourn: Next TAC Meeting: April 10, 2007. The meeting was adjourned at 12:15.