

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: June 8, 2007

Time: 10 am to 12 pm

Place: COG Board Room 3rd Floor

Lunch will be provided to members at noon

Note: There will be a special meeting of the Attainment Modeling, Emission Inventory, and Conformity Subcommittees to discuss PM Precursors from 12:30 to 2pm in the Board Room.

DRAFT Agenda

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- 10:00 1. Call to Order and Review of Meeting Summary (May 8, 2007)**
Chairman Cecily Beall, District Department of the Environment
- 10:10 2. PM2.5 Monitoring Data and Emission Inventory Subcommittee**
Sunil Kumar, COG DEP, will discuss the 2006 PM2.5 monitoring data. He will also provide an update on the recent Emission Inventory Subcommittee meeting.
- 10:30 3. Ozone Transport Commission Annual Meeting**
Brian Hug, MDE, will report on the recent annual meeting of the OTC.
- 10:40 4. PM2.5 Control Measures**
Jeff King, COG DEP, will discuss development of control measures for the PM SIP.
- 10:55 5. EPA Guidance: MACT Standards and VOC Regulations**
Jeff King, COG DEP, will discuss the impact of recent EPA guidance on SIP emission inventories.
- 11:05 6. COG Climate Change Steering Committee**
Joan Rohlfs, COG DEP, will discuss establishing a climate change workgroup to support activities of the Climate Change Steering Committee.
- 11:15 7. Ozone Season Summary**
Sunil Kumar, COG DEP, will provide a summary of the ozone season to-date.
- 11:30 8. Other Business**
- 11:45 9. State and Local Air Agency Report**
- 11:50 10. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: July 13, 2007



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**MWAQC Technical Advisory Committee
Meeting Summary
May 8, 2007 10am to 12pm
COG Training Center, 1st Floor**

Present:

Tom Ballou, Virginia Department of Environmental Quality
Cecily Beall, District Department of the Environment
Tom Biesiadny, Fairfax County Department of Transportation
Randy Carroll, Maryland Department of Environment
Barbara Hardy, Fairfax County Department of Health Services (by teleconference)
Brian Hug, Maryland Department of Environment
Maurice Keys, District Department of Transportation
John Kinsman, Edison Electric Institute
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
Mark Rawlings, District Department of Transportation
Bill Skrabak, City of Alexandria
Howard Simons, Maryland Department of Transportation
Kanti Srikanth, Virginia Department of Transportation (by teleconference)
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:

Jeff King, COG/DEP
Sunil Kumar, COG/DEP
Eulalie Lucas, COG/DTP (by teleconference)
Erin Morrow, COG/DTP
Joan Rohlf, COG/DEP
Daivamani Sivasailam, COG/DTP

Observers/Participants:

Julie Crenshaw Van Fleet, AQPAC

1. Call to Order and Review of Meeting Summary (April 10, 2007). Ms. Beall called the meeting to order at 10:03. The minutes of the April 10, 2007 meeting were approved with one change. Julie Crenshaw van Fleet should be removed from the attendance list because she did not attend the meeting.

2. Technical Revisions to the 8-hour Ozone SIP

Sunil Kumar discussed technical revisions to the 8-hour ozone SIP. Base year 2002 area and nonroad source emissions were revised to reflect changes suggested by Virginia Department of Environmental Quality. Future year area and nonroad source emissions were revised as well due to changes in base year emissions. Future year emissions for area sources were also revised to reflect a revised list of SCCs that are affected by the OTC VOC rules (MERR, Solvent Cleaning, Consumer Products, AIM Coating). These emissions inventory changes do not affect RFP results because they lower both target and actual 2008 inventories and the latter remains below the target. RFP and Attainment contingency results are also unaffected as emissions reduction requirements do not change and also benefits from portable fuel

container emission reductions used to meet both RFP and attainment contingency requirements do not change.

Staff also made the following change in the SIP document. The weight of evidence analysis in chapter 10 was revised to include a summary of various CMAQ modeling uncertainty analyses provided by the University of Maryland that are in the March SIP Appendix G, Attachment 15. The base year 2002, RFP year 2008, and attainment year 2009 inventories and RFP calculations and details of base and future year emissions and related SIP documentation changes were provided.

3. Public Comments on 8-hour Ozone SIP

The state air agencies discussed the public hearings. Cecily Beall said that two speakers, Rodney Livingston and Jessica Butts, were present at the hearing in the District. Rodney Livingston provided comment on progress in improving air quality and on the need for local leaders to set a good example, especially in the area of efficient energy usage. Jessica Butts read the comment letter from AQPAC into the record. Brian Hug said there was one commenter in Maryland, who focused comments on a request to decentralize Maryland's Vehicle Emission Inspection Program (VEIP). Doris McLeod said that there was one comment received at the Virginia hearings, from Julie Crenshaw van Fleet, that owners of old coal-fired power plants need to do more to reduce emissions.

Julie Crenshaw van Fleet said that additional efforts should have been made to increase participation in the public hearings. She said that the meeting announcements should have been publicized by public officials, on jurisdictional websites, and at regional and local meetings.

Jeff King reviewed each item in the proposed comment response document. The response to the comment from AQPAC regarding the need for additional measures was revised to include reference to the timeframe for realizing benefits of new measures and to include reference to the RACM section in the SIP.

Bill Skrabak, Doris McLeod, and Julie Crenshaw van Fleet discussed a potential challenge to the no-trading provisions in the Virginia CAIR regulation. Mirant sent a petition to Virginia to reopen public comments on the no-trading provision in the rule. Bill Skrabak proposed that MWAQC send a comment letter in support of the provision. Members agreed to draft and circulate a comment letter to send prior to the close of the comment period on June 18.

Tom Ballou and Jim Ponticello discussed a comment from the Metropolitan Washington Airports Authority requesting more information on non-road construction emissions. Jim Ponticello explained that a method was devised for the Dulles airport expansion that involved removing construction emissions from nonroad sources for Fairfax and Loudoun counties, and then reapportioning construction emissions to airport and non-airport sources using employment as a surrogate. Tom Ballou said that Virginia is not opposed to including airport-specific emissions as line-items in the SIP if needed, but not as quasi-point sources. Ram Tangirala said that employment may not be an appropriate surrogate. The other comment from MWAA was a request for more detail on asphalt emissions. Sunil Kumar explained that asphalt emissions appear as zero in the inventory because only two significant digits are shown. Julie Crenshaw van Fleet said that there may be a correlation with asphalt paving and monitored exceedances. Members agreed that the proposed responses to the comments from MWAA in the comment response document are satisfactory.

Jeff King explained several technical changes to the SIP in response to comments. He said that based on a comment from the City of Alexandria, the local initiatives for the city were removed from the voluntary bundle commitments and are included only as weight of evidence. In response to a comment from MDE, a summary of the University of Maryland weight of evidence analyses included in the Appendices was developed and is now included in Chapter 10.

Members agreed to forward the proposed summary of public comments and response to comments to MWAQC for approval and inclusion in the final SIP.

4. Emission Inventory Subcommittee

Brian Hug reported on the Emission Inventory Subcommittee meeting held on April 18. He said that states are currently working on the 2005 PEI which is due on June 1. As part of that effort, states will share with COG/DTP staff information on NMIM inputs prior to submittal to EPA. The next priority is development of the PM inventory. He said that a joint meeting of the Attainment Modeling, Emission Inventory, and Conformity Subcommittees will be held on June 8 to discuss PM precursors.

5. Conformity Subcommittee

Jeff King summarized changes contained in EPA's proposed Transportation Conformity Rule and guidance. He said that two recent actions by EPA were reviewed for potential impact on the region's conformity process. The guidance document clarifies that conformity will not apply to the new lower PM daily standard until after the final attainment designations are completed. The rulemaking provides for a variety of administrative changes for the conformity process, such as extending the frequency of required conformity determinations. The proposed changes are not expected to significantly affect the current conformity process for the Washington region.

6. Ozone Season Forecasting and Alerts: Update

Jen Desimone discussed the forecast and notification procedures for the 2007 ozone season. The primary changes to the system compared to last ozone season is that the Clean Air Partners website has been redesigned and now includes an option for users to sign up to receive automatic alerts and forecasts. Jen Desimone provided a brief overview of the new website and discussed how to sign up for the new electronic notifications. Flint Webb asked why only the AQI values are shown on the website. Julie Crenshaw van Fleet said that she would like to see the actual concentrations shown. Tom Biesiadny and Brian Hug said that the website should include the AQI conversion charts for PM and ozone so that users can convert AQI to the respective pollutant concentrations. Flint Webb also asked if it would be possible for members to receive a briefing on where the region stands with regard to compliance with the annual standard. Jen Desimone said that additional FRM data from the states will be required to provide such an assessment.

7. COG Climate Change Steering Committee

Joan Rohlfis discussed the status of the COG Climate Change Initiative. The COG Board Chair will appoint the members to the Climate Change Steering Committee this month. The first meeting will be held on May 23. The Board resolution establishes several tasks for the committee, including preparing an emissions inventory, establishing a reduction target, cataloguing best practices, identifying potential regional impacts, and considering establishing a carbon offset fund. COG staff have begun to prepare a ballpark estimate of regional greenhouse gas emissions. One of the initial inventory development challenges will be to establish a common year and baseline methodology. The committee has a \$100k budget which will be used for staff and to match grants. COG's Executive Director Dave Robertson is the principal point of contact at COG. Lead staff are George Nichols and Naomi Friedman. The work program and budget are still under development.

8. Mirant Consent Decree

Brian Hug discussed the recently announced Consent Decree affecting power plants in the region owned by Mirant. The Consent Decree requires that SCR controls be installed at the Morgantown facility by 2008 which will generate annual and ozone season reductions of 29,000 and 15,000 tons of NO_x, respectively. Julie Crenshaw van Fleet said that controls are not required for the Potomac River Power Plant, which was a concession resulting from the requirements being imposed on the Morgantown facility. In response to a question from Ram Tangirala about whether the Consent Decree requirements are the same as the Healthy Air Act, Brian Hug said that one unit will be controlled one year earlier under the Consent Decree. Bill Skrabak said that the Consent Decree actually allows the Potomac River facility to emit at levels higher than a 2004 proposed operating permit for the facility. He suggested that Mirant may shift load from Morgantown to Potomac River and that Mirant is proposing to merge different units at the facility into single stacks to increase buoyancy of the emissions plume. He said that public

comments can be submitted on a new permit for the Mirant Potomac River Power Plant. He suggested that this facility will need to be considered as part of a PM hotspot analysis for the PM SIP.

9. Other Business

Doris McLeod asked that states review the most recent monitoring data to determine the region's PM NAAQS compliance status and to assess whether a redesignation request is warranted.

10. State and Local Air Agency Report

Brian Hug reported for Maryland. He said that the public hearings for the Baltimore and Cecil County SIPs will be held during the week of May 23.

Tom Ballou said that Virginia had nothing to report.

Cecily Beall reported for the District. She said that the public hearings are pending for the District's CAIR regulation. The District's OTC VOC rules will be published in the register soon.

11. Set Date for Next Meeting, Future Agenda Items, Adjourn:

The next TAC Meeting will be held on June 8, 2007. The meeting was adjourned at 12:10.