

# Metropolitan Washington Air Quality Committee

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## TECHNICAL ADVISORY COMMITTEE

**Date: May 8, 2007**

**Time: 10 am to 12 pm**

**Place: Training Center 1st Floor**

Lunch will be provided to members at noon

### DRAFT Agenda

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- 10:00 1. Call to Order and Review of Meeting Summary (April 10, 2007)**  
*Chairman Ram Tangirala, District Department of the Environment*
- 10:10 2. Technical Revisions to the 8-hour Ozone SIP**  
*Sunil Kumar, COG DEP, will discuss technical revisions to the 8-hour ozone SIP.*
- 10:25 3. Public Comments on 8-hour Ozone SIP**  
*Jeff King, COG DEP, will discuss public comments and responses to public comments on the 8-hour ozone SIP.*
- 10:40 4. Emission Inventory Subcommittee**  
*Brian Hug, MDE, will report on the Emission Inventory Subcommittee meeting held on April 18. PM inventories and the 2005 Periodic Emission Inventory will be discussed.*
- 10:55 5. Conformity Subcommittee**  
*Jeff King, COG/DEP, will summarize changes contained in EPA's proposed Transportation Conformity Rule.*
- 11:10 6. Ozone Season Forecasting and Alerts: Update**  
*Jen Desimone, COG DEP, will discuss the forecast and notification procedures for the 2007 ozone season.*
- 11:20 7. COG Climate Change Steering Committee**  
*Joan Rohlfs, COG DEP, will discuss the status of the COG Climate Change Initiative.*
- 11:30 8. Mirant Consent Decree**  
*Brian Hug, MDE, will discuss the recent Consent Decree with Mirant.*
- 11:40 9. Other Business**
- 11:45 10. State and Local Air Agency Report**
- 11:50 11. Set Date for Next Meeting, Future Agenda Items, Adjourn:**  
**Next TAC Meeting: June 12, 2007**



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**DRAFT**

**MWAQC Technical Advisory Committee  
Meeting Summary  
April 10, 2007 10am to 12pm  
Teleconference**

**Present:**

Tom Ballou, Virginia Department of Environmental Quality  
Cecilly Beall, District Department of the Environment  
Tom Biesiadny, Fairfax County Department of Transportation  
Randy Carroll, Maryland Department of Environment  
Bhesh Dhamala, Fairfax County Department of Health Services  
Deirdre Elvis-Peterson, District Department of Environment  
Diane Franks, Maryland Department of Environment  
Barbara Hardy, Fairfax County Department of Health Services  
Brian Hug, Maryland Department of Environment  
Maurice Keys, District Department of Transportation  
John 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  
Mark Rawlings, District Department of Transportation  
Bill Skrabak, City of Alexandria  
Howard Simons, Maryland Department of Transportation  
Kanti Srikanth, Virginia 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  
Jeff King, COG/DEP  
Sunil Kumar, COG/DEP  
Eulalie Lucas, COG/DTP  
Erin Morrow, COG/DTP  
Joan Rohlf, COG/DEP  
Daivamani Sivasailam, COG/DTP

**Observers/Participants:**

Charley Baummer, Metropolitan Washington Airports Authority  
Julie Crenshaw Van Fleet, AQPAC  
Candice Gay, U.S. DoD Regional Environmental Coordinator Region III  
Sue Holtham, U.S. Army Corps of Engineers  
Debra Jacobson, George Washington University Law School  
Tim Lavalley, Consultant, LPES, Inc.  
Kelly Lease, Air Programs Manager, Fort Belvoir  
Larry Zaragosa, U.S. EPA

**1. Call to Order and Review of Meeting Summary (March 8, 2007).** Mr. Tangirala called the meeting to order at 10:00. The minutes of the March 8, 2007 meeting were approved with several changes to the meeting summary provided by John Kinsman by email after the teleconference. The first change involves the sentence in the summary for last paragraph of Item #7: "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" is revised to read "Emissions from electrical generating units that operate primarily only on the hottest days of the year are not typically included in the emissions inventories developed for SIPs." Another change in the last paragraph of Item #7 includes: "Jon Kinsman said that the OTC process has worked well, but he is not in a position to know the outcome" is revised to read "John Kinsman said that the OTC process has worked well, but the outcome is not finalized."

Mr. Tangirala announced that Cecilly Beall has joined the District Department of the Environment as the new Air Programs Manager and State Air Director, effective April 2. Stanley Tracey has retired.

## **2. 8-hour Ozone SIP Update**

Joan Rohlfis discussed the public hearing schedule and comments received to date. MWAQC approved the SIP for public comment on March 15. Only one comment has been received to date. The comment is from the City of Alexandria asking that the city's voluntary initiatives be included in the weight of evidence section of the SIP. States will hold public hearings during the week of April 23. Responses to public comments will be reviewed at the next TAC meeting to be held on May 8.

In response to a question from Ram Tangirala, Joan Rohlfis said that she would attend the public hearings, but is not planning to make a presentation. Only a statement would be read into the record. Ram Tangirala suggested a joint hearing for the upcoming PM SIP. Tom Ballou and Brian Hug said that Virginia and Maryland cannot hold joint hearings because state law requires that the hearing be held within the state. Joan Rohlfis suggested that a regional Town Meeting be held for the PM SIP as was done during the ozone SIP development process.

## **3. PM2.5 SIP Update**

Joan Rohlfis discussed SIP planning for the PM2.5 SIP. The PM SIP will only address the annual NAAQS for PM2.5. EPA has recently adopted a new 24-hour NAAQS for PM2.5, but SIPs for the new daily standard are not due until 2013. The annual PM SIP must include inventories and control measure analyses for direct PM and the precursors NO<sub>x</sub> and SO<sub>2</sub>. States and/or the EPA will determine whether other precursors contribute significantly to PM pollution in the Washington region. The SIP must establish mobile budgets for direct PM and the precursor NO<sub>x</sub>, and any other precursor determined to be significant. RACT/RACM analyses must be included. An RFP demonstration will not be required. Tom Ballou said that Virginia DEQ will review and circulate a draft PM2.5 modeling protocol.

Joan Rohlfis provided a draft schedule for completing the PM SIP by April 2008. The current schedule has inventory development in June/July, control measures development through September/October, and the draft SIP to MWAQC in December 2007. Public hearings would be scheduled for February 2008. MWAQC would comment on TPB's conformity determination in the September/November timeframe. Ram Tangirala said that upcoming state/EPA coordination meetings may establish some additional interim deadlines.

## **4. Emission Inventory Subcommittee**

Sunil Kumar reported on the March 28 call of the Emission Inventory Subcommittee. He said that the 2005 National Emission Inventory (NEI) submission for the region is due in June. The NEI submission must include all precursors for annual and ozone season timeframes. States are working to develop the overall inventory and will provide the NMIM inputs and VMT data to EPA to develop the nonroad and on-road inventories. The states will provide the NMIM input and VMT data in advance to COG staff for review.

The Emission Inventory Subcommittee also discussed changes to the 2002 emission SIP inventory. Specifically the 2002 inventory values for area and nonroad emissions in Virginia had not been updated from the 1999 values, resulting in an overall reduction of approximately 2 tpd VOC for Virginia's base year emissions. The change to the base year inventory will also affect the 2008 and 2009 inventories.

Sunil Kumar discussed PM<sub>2.5</sub> inventory development. Current EPA guidance on emission inventory reporting lists all of the PM precursors, and includes PM<sub>10</sub>. EPA is currently working on a proposal that may change the list of required pollutants. For the PM SIP, Sunil Kumar said that both uncontrolled and controlled inventories will be needed. States and COG staff will need to coordinate development of particular inventory requirements. Sunil Kumar also said that states will need to determine the significance for several of the precursors in order to specify whether the precursor inventories will need to be included in the SIP or may need to be controlled. Currently, direct PM and SO<sub>2</sub> inventories must be included. NO<sub>x</sub> must be included unless it is determined to not be significant. VOC and ammonia do not have to be included unless they are determined to be significant. Even though SO<sub>2</sub> inventories must be included, EPA does not require that mobile sources of SO<sub>2</sub> be controlled unless they are determined to contribute significantly.

Emission Inventory and Attainment Modeling Subcommittee meetings will be arranged to discuss the issue of significance determinations. Tom Ballou suggested that given timing concerns, it will be important to rely heavily on work already performed by various RPOs such as VISTAS and MANEVU. VISTAS has already determined that VOC and ammonia are not significant. MANEVU has not yet made the determination.

#### **5. Draft Environmental Impact Statement (EIS) for DOD BRAC**

DoD representatives, Sue Holtham and Tim Lavallo, discussed the recent draft EIS for BRAC at Ft. Belvoir. The draft EIS is currently out for public comment. The comment period ends May 1. Under a Congressional mandate, the BRAC activities must be completed by September 2001. The goal for the DoD is to complete the Record of Decision (ROD) by August 2007.

Tim Lavallo reviewed the air quality findings in the draft EIS. He said that the EIS only focuses on Ft. Belvoir. There will be a net increase of approximately 22,000 jobs at Ft. Belvoir. The greatest impact on emissions will be in 2010 as a result of construction of new facilities on the base. Operational emissions will also increase due to increased vehicle traffic, demand for electricity for new buildings, and emissions from new small stationary sources such as backup generators. The EIS estimates that construction emissions in 2010 will be approximately 2 percent of the regional NO<sub>x</sub> inventory and approximately 1 percent of the regional VOC inventory. In response to a question from Barbara Hardy, Tim Lavallo said that the analysis also evaluates carbon monoxide impacts at major intersections. In response to a question from Ram Tangirala, he said that the monitor with the highest carbon monoxide readings was used for the analysis. He said that no ozone hotspot analyses were performed because it is a regional pollutant. Tim Lavallo encouraged members to use the formal comment channels but would also be available for questions.

Ram Tangirala asked that the Conformity Subcommittee consider preparing a draft comment letter.

#### **6. Conformity Subcommittee**

Brian Hug reported on the activities of the Conformity Subcommittee. The main item is a draft comment letter prepared by the subcommittee on TPB's scope of work for ozone and PM conformity. The letter supports the proposed scope and contains language about the possibility that additional precursors may need to be considered in the future depending on significance determinations by the states. Jeff King said that the COG DTP work plan includes a task to help develop the necessary mobile inventories to assist with the significance determination. Paul Desjardin said that the Cooperative Forecasts developed this year will reflect the impacts of BRAC on the region. The letter was approved for transmittal to MWAQC.

#### **7. COG Climate Change Steering Committee**

Stuart Freudberg discussed the COG Climate Change Initiative, including the draft resolution to be considered by the COG Board on April 11. The resolution establishes a Climate Change Steering Committee that will exist for one year to advise the COG Board on six key issues: preparing a catalogue of greenhouse gas reduction activities already underway in the region; preparing an inventory of greenhouse gas emissions in the region and the establishment of a regional greenhouse gas reduction goal or target based on an appropriate baseline; identification of specific activities and best practices to achieve greenhouse gas reduction and a method for measuring progress in meeting reduction targets; examination of local impacts of climate change on the Washington region; examination of the feasibility of establishing a carbon offset fund, or other appropriate carbon reduction funding mechanism, for the Washington region; and recommendations on regional climate change policy and potential advocacy positions on federal, state and local climate change actions and proposals.

Membership will be appointed by the COG Board chair, and will include representation from MWAQC, and possibly other COG committees such as the CAOs, Chesapeake Bay, IGBG, and EPAC. The resolution also provides funding for the steering committee for both staff time and to attract grant funding.

Debra Jacobson said that one key lesson from the recent work on the 8-hour ozone SIP is that it will be important to establish appropriate baselines so that the benefits of energy efficiency actions can be credited.

#### **8. Local Government Initiatives Subcommittee**

Jeff King provided a summary of the Evaluation Report for the 1-hour ozone SIP voluntary bundle. The voluntary bundle contained a commitment that local jurisdictions would report annually on progress in implementing each voluntary program, and that the annual reports would be used to prepare an Evaluation Report to submit to EPA. Based on the data collected from the annual reports for 2004, 2005, and 2006, a draft Evaluation Report was prepared and approved by the Local Government Initiatives Subcommittee. The conclusions are that the region met or exceeded all of the local voluntary commitments contained in the 1-hour ozone SIP. Maryland and Virginia will submit the report to EPA Region III.

#### **9. Other Business**

Joan Rohlfs said that the Supreme Court ruled that EPA does have the authority to regulate greenhouse gases. EPA policy changes are pending.

Flint Webb said that the Supreme Court also recently ruled on NSR, vacating a 4th circuit court decision on *Environmental Defense v. Duke Energy*. Doris McLeod said that had the decision been upheld, NSR rules would need to be rewritten. The issue is whether determination of modifications is based on hourly or annual tests of emissions changes. Duke Energy argued that EPA should base its decision on whether there are significant modifications triggering NSR on the hourly test. The Supreme Court ruled that EPA has discretion to determine which approach to use to determine significance.

#### **10. State and Local Air Agency Report**

Tom Ballou reported for Virginia. He said that the Air Pollution Control Board (APCB) met on March 26 and approved the State Transportation Conformity Rule. The APCB also discussed the situation with the Mirant Potomac River Power Plant but there was no action taken. The final Mirant Consent Decree is pending.

Brian Hug reported for Maryland. He said that the legislative session has ended. CAL LEV II was adopted. The new OTC VOC rules are currently being reviewed by the Advisory Board. SIPs for Baltimore and Cecil County are nearing the public comment process.

Deirdre Elvis Peterson reported for the District. She said that the OTC VOC rules and the Transportation Conformity regulation will be proposed soon.

**11. Set Date for Next Meeting, Future Agenda Items, Adjourn:** Next TAC Meeting: May 8, 2007.  
The meeting was adjourned at 12:05.