

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: October 13, 2009

Time: 10 am to 12 pm

COG Board Room, 1st Floor

lunch will be served to members at noon

DRAFT Agenda

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- 10:00 1. Call to Order and Review of Meeting Summary (September 8, 2009)**
Chairman Tom Ballou, Virginia Department of Environmental Quality
- 10:10 2. Recent EPA NAAQS Regulatory Actions**
Joan Rohlf, COG DEP, will discuss EPA's recent action to review the ozone NAAQS and implications for SIP Planning.
- 10:25 3. Recent EPA Climate Change/Greenhouse Gas Regulatory Actions**
Sunil Kumar, COG DEP, will discuss EPA's final greenhouse gas reporting rule and the proposed rule to require BACT for large greenhouse gas emission sources.
- 10:45 4. MOVES Transition Team: Report**
Sunil Kumar, COG DEP, and Eulalie Lucas, COG DTP, will discuss activities related to the transition to the new MOVES model.
- 11:00 5. Update on 2009-2012 Climate Action Work Plan Development**
Jeff King, COG DEP, will discuss 2009-2012 climate action work plan development activities.
- 11:15 6. Update on Diesel Projects Funded under the Stimulus Plan**
Jeff King, COG DEP, will discuss projects in the region being implemented using diesel grant funding under the federal stimulus plan.
- 11:25 7. Opacity Petition**
Tom Ballou, Virginia DEQ, will discuss the status of the MWAQC request to the Virginia Air Pollution Control Board to lower the opacity standard.
- 11:30 8. Other Business**
- 11:45 9. State and Local Air Agency Reports**
- 11:55 10. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: November 10, 2009



Reasonable accommodations are provided for persons with disabilities. Please allow 7 business days to process requests. Phone: 202.962.3300 or 202-962.3213 (TDD). Email: accommodations@mwacog.org. For details: www.mwacog.org.

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**MWAQC Technical Advisory Committee
Meeting Summary
September 8, 2009 10am to 12pm
Teleconference**

Present:

Monica Backmon, Prince William County
Tom Biesiadny, Fairfax County Department of Transportation
Austina Casey, District Department of Transportation
Tom Ballou, Virginia Department of the Environmental Quality
Randy Carroll, Maryland Department of Environment
Bhesh Dhamala, Fairfax County Department of Health
Diane Franks, Maryland Department of Environment
Barbara Hardy, Fairfax County Department of Health
Brian Hug, Maryland Department of Environment
Maurice Keys, District Department of Transportation
Sonya Lewis-Cheatham, Virginia Department of the Environmental Quality
Doris McLeod, Virginia Department of the Environmental Quality
Bob Owolabi, Fairfax County Department of Transportation
Pam Parker, Montgomery County Department of Environment
Jim Ponticello, Virginia Department of Transportation
Ana Prados, Fairfax County Federation of Citizen's Associations
Howard Simons, Maryland Department of Transportation
Ram Tangirala, District Department of Environment
Khoa Tran, City of Alexandria
Chris Voigt, Virginia Department of Transportation
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Staff:

Daniel Bisutti, COG/DEP Intern
Mike Clifford, COG/DTP
Jen Desimone, COG/DEP
Jeff King, COG/DEP
Sunil Kumar, COG/DEP
Eulalie Lucas, COG/DTP
Erin Morrow, COG/DTP
Daivamani Sivasailam, COG/DTP

Observers/Participants:

Julie Crenshaw Van Fleet, AQPAC
Cristina Fernandez, U.S. EPA, Region III
Marilyn Powers, U.S. EPA, Region III

1. Call to Order and Review of Meeting Summary (July 14, 2009). The meeting was called to order at 10:05. The minutes of the July 14, 2009 meeting with one change - Tom Ballou should be listed as the person who provided the state update for Virginia.

2. SIP Status Report

Cristina Fernandez discussed the status of the ozone and fine particle SIPs submitted to EPA in 2007 and 2008. EPA recently published an adequacy finding for the 2008 Reasonable Further Progress (RFP) mobile budgets in the ozone SIP. Action on the Attainment Demonstration for the ozone SIP, and associated 2009/2010 mobile budgets is pending. EPA plans to approve the fine particle SIP in November or December. In response to questions, she said that EPA is aware of the issues raised regarding a redesignation request and maintenance plan (i.e., outyear emission increases), as well as the need for more guidance for the upcoming ozone SIPs, but cannot yet provide more details on the schedule.

3. Inventory Development Update

Sunil Kumar provided an update on emission inventory development. The Emission Inventory Subcommittee met on September 1. Sunil Kumar presented an overview of various deadlines associated with the new 2008 8-hour ozone SIP. EPA is expected to finalizing the nonattainment area designations for the new 2008 8-hour ozone standard by March 12, 2010. EPA could use certified ozone data for the 2009 ozone season if they would be available at that time.

At the meeting, Mike Kiss provided an update on photochemical and meteorological modeling efforts being currently undertaken at across various modeling centers. He said that these centers looked at various meteorological conditions for different years for selecting the most appropriate base case meteorological modeling. He said the general consensus at the OTC was in favor of 2007 as the base year for modeling. NY DEC ran a sensitivity run assuming a 40% NO_x reduction for all sectors in the modeling area to see if the OTC region could achieve the new 2008 8-hour ozone standard. The results indicated that most monitors would be in attainment but a few monitors would still exceed the standard. OTC is planning to complete the final SIP quality ozone modeling by the third quarter of 2011. Meteorological modeling is expected in the first quarter of 2010. The current plan is to use 2008 for base year emissions inventory and 2007 for meteorological modeling. States are considering development of 2007 and 2008 inventories. It is not clear yet if and how COG DTP mobile emission inventories will be developed for these years. Mike Clifford said that the DTP work program enables staff to support SIP development broadly so there are no urgent needs to amend the work program. He said that it is important that requests for data be provided in advance and with sufficient lead time to allow staff to conduct the work. EPA will require that the MOVES model be used to develop the mobile emission inventory in the SIP. The Emission Inventory Subcommittee is also beginning to discuss how various source sector inventories should be developed. One concern being addressed by OTC is EPA's requirements that IPM be used for projecting EGU emissions. Another initiative is an effort to model peaking units.

4. MOVES Transition Team: Report

Sunil Kumar and Eulalie Lucas discussed activities related to the transition to the new MOVES model. The main goal and objective of the task force is to discuss and come to a consensus on

inputs to the model. Since preliminary analysis using the MOVES model and comparison of the inventories with the Mobile 6.2-developed inventories show substantial increases in VOC, NO_x, and PM emissions with the MOVES model compared to the Mobile 6.2, it will be necessary to develop new mobile budgets prior to using the MOVES model in conformity assessments. Diane Franks said that even though the MOVES model shows higher emissions, in reality emissions remain the same.

At the MOVES transition team meeting, Sunil Kumar and Eulalie Lucas presented an overview of the draft MOVES model and provided some comparisons to the Mobile 6.2 model. They also discussed various local data that may be available in the region for input to the model such as vehicle registration, temperature, vehicle miles of travel, inspection and maintenance (I/M), and local fuel programs. Ram Tangirala of DDOE agency recommended that the group seriously consider running the model at the regional level and coming to an agreement on a regional I/M and fuel program inputs if needed. Jim Ponticello recommended staff run sensitivity tests of various components which could guide us in this effort. Diane Franks suggested that, since we spent a large amount of time in developing meteorology data during the Mobile 6.2 taskforce effort, we should use the same data for the MOVES model. She also suggested developing a schedule as to when decisions have to be made working back from when different inventories are needed. The next meeting of the Task Force will be held on September 15, 2009 at 10 am.

5. Ozone Season Update and Regional Air Quality Trends (2006-2008 Design Values)

Sunil Kumar and Jen Desimone provided an ozone season update and will present data on regional air quality trends. So far this year, temperatures have been cooler, with winds from the north/northwest, and as a result, air quality has been relatively good. There were 4 code orange days for ozone, 3 in June and one in August. For fine particles, monitors are indicating all code green and code yellow. COG is using the 75 ppb code orange cutoff for ozone and the 35.5 ug/m³ code orange cutoff for fine particles. Air quality trend data indicate significant improvement in air quality, a noticeable decline in exceedance days, and a steady decline in Design Values. The region is also experiencing fewer exceedance days even when temperatures exceed 90 degrees. Based on preliminary data for 2009, the region has attained the 1997 8-hour ozone NAAQS.

6. Comment Letter on Renewable Fuel Standard

Jeff King presented a revised draft comment letter on EPA's proposed Renewable Fuel Standard. Since the last meeting staff received one suggested change to the letter from VDOT. Members accepted the proposed change and the letter was approved for recommendation to MWAQC.

7. Other Business

a) NO₂ NAAQS/Monitoring Data

Joan Rohlfs said that EPA proposed a new NO₂ NAAQS and roadside monitoring requirements in July 15. Comments are due by September 14. Based on analysis of monitoring data, there are a couple of monitors in the region that would exceed the 65 and 80 ppb levels. Joan Rohlfs presented a draft comment letter. Members agreed that the letter should express support for the new 1-hour NO₂ NAAQS. Transportation members said they could support a letter that expressed qualified support of the proposal. The main concern is the use of roadside monitors

for determining attainment and the cost to implement new monitoring requirements. They referred staff to an AASHTO letter which covers the concerns of the transportation agencies. Julie Crenshaw Van Fleet suggested that roadside monitors include measurements for all pollutants, not just NO₂. Diane Franks said that use of roadside monitors is not unprecedented as they were used for lead, and it makes sense to monitor near roadways as it is generally known that NO₂ concentrations are typically higher around roadways. Members requested that staff revise the letter after reviewing the AASHTO letter and circulate prior to the MWAQC Executive Committee call.

b) Conformity

TPB has completed a revised draft conformity analysis for the 2009 CLRP and 2010-2015 TIP, responding to project changes identified by MDOT and DDOT. TPB is scheduled to act on the determination in October. The new analysis includes the purple line in Maryland and two new projects in the District. Based on the changes, new land use inputs were developed. The overall impact was an increase in transit trips, a decrease in VMT, and an overall decrease in emissions. The analysis shows that the regional emissions are below the interim and proposed mobile budgets for all milestone years.

8. State and Local Air Agency Reports

Cecily Beall reported for the District. The OTC VOC and CTG regulations are being reviewed by EPA. The infrastructure SIP is out for public comment and there will be a hearing on September 17. The District is increasing its Title V and permit application fees. Staff are working on the Regional Haze SIP and a BART analysis for the Pepco facility. DDOT is holding a workshop in idling with truck and bus companies. The idling penalties are being raised from \$500 to \$1000. ICLEI is developing a climate action plan for the District.

Diane Franks reported for Maryland. A RACT SIP is scheduled for public hearings. A cement kiln regulation is to be considered by the Air Quality Control Advisory Council (AQCAC). Maryland is preparing to repeal the NO_x SIP call. EPA has proposed approval of the Maryland CAIR and CAIR SIP.

Tom Ballou reported for Virginia. The OTC VOC rules are being finalized and are anticipated to be effective prior to the 2010 ozone season. There was a recent court decision on the Wise County permit, regarding limits for mercury. As a result, DEQ amended the permit. Another recent court decision overturned the no trading provisions of Virginia CAIR. The state recently filed an appeal. Julie Crenshaw Van Fleet said she was pleased that Dave Paylor signed the recent joint OTC/LADCO letter to EPA regarding CAIR.

9. Set Date for Next Meeting, Future Agenda Items, Adjourn: The next TAC meeting will be held on October 13, 2009. The meeting was adjourned at noon.