

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: July 8, 2008

Time: 10 am to 12 pm

**COG Board Room, 3rd Floor
777 North Capitol St NE, Washington, DC**

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 (June 10, 2008)**
Chairman Diane Franks, Maryland Department of the Environment
- 10:10 2. Ozone Season Summary**
Sunil Kumar, COG DEP, will present the ozone season summary. He will also discuss forecasting procedures
- 10:20 3. New Ozone Standard: What is Being Done to Meet the New Standard?**
Diane Franks, MDE, will discuss strategies being considered to meet the new ozone standard.
- 10:35 4. Impact of Climate Change on Air Pollution**
Russ Dickerson, University of Maryland, will discuss the impact of climate change on air pollution.
- 11:50 5. Conformity Determination**
Mike Clifford, COG DTP, will discuss the proposed conformity determination for the 2008 CLRP and 2009-2014 TIP. The public comment period closes on July 12. Jeff King, COG DEP, will present a draft comment letter.
- 11:00 6. WMATA Ride Free on Code Red**
Jen Desimone, COG DEP, will discuss the Ride Free on Code Red Day program.
- 11:10 7. PM2.5 Redesignation Request**
Jeff King, COG DEP, will discuss the criteria that must be met to propose a PM2.5 redesignation request. Doris McLeod, Virginia DEQ, will make the case for a PM2.5 redesignation request.
- 11:30 8. Other Business**
Litigation Update: Ozone and PM Standards
PM Implementation Workgroup
City of Alexandria/Mirant Settlement
Wise County Power Plant
EERE Protocols
- 11:45 9. State and Local Air Agency Report**
- 11:55 10. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: September 9, 2008



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@mwkog.org. For details: www.mwkog.org.

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**MWAQC Technical Advisory Committee
Meeting Summary
June 10, 2008 10am to 12pm
Teleconference**

Present:

Elizabeth Aiken, Virginia Department of the Environment
Monica Backmon, Prince William County
Tom Ballou, Virginia Department of the Environment
Tom Biesiadny, Fairfax County Department of Transportation
Randy Carroll, Maryland Department of Environment
Jessica Daniels, District Department of Environment
Bhesh Dhamala, Fairfax County Department of Health
Candice Gay Hall, Department of Defense REC Region III
Michelle Farver, District Department of Environment
Diane Franks, Maryland Department of Environment
Barbara Hardy, Fairfax County Department of Health
Jeff Harn, Arlington County Department of Environmental Services
Brian Hug, Maryland Department of Environment
John Kinsman, Edison Electric Institute
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality
William Marsh, Loudoun County Department of Building and Development
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
Walt Seedlock, Metropolitan Washington Airports Authority
Bill Skrabak, Alexandria Department of Environmental Quality
Khoa Tran, Alexandria Department of Environmental Quality
Chris Voigt, Virginia Department of Transportation
Flint Webb, Fairfax Federation of Citizens Association

Staff:

Leah Boggs, COG/DEP
Mike Clifford, COG/DTP
Jen Desimone, COG/DEP
Jeff King, COG/DEP
Sunil Kumar, COG/DEP
Eulalie Lucas, COG/DTP
Joan Rohlfs, COG/DEP

Observers/Participants:

Charley Baummer, MWAA
Bill Butler, Mirant
Julie Crenshaw Van Fleet, AQPAC
Tim Lavalee, Consultant
Raj Rao, EPA

1. Call to Order and Review of Meeting Summary (May 13, 2008). Ms. Franks called the

meeting to order at 10:07. The minutes of the May 13, 2008 meeting were approved with no changes.

2. Ozone Season Summary

Sunil Kumar presented the ozone season summary. There have been two exceedance days during the ozone season on June 5 and 7. Only one monitor exceeded on each day. There have been 10 code yellow days. There were two code orange days in April, before the start of the ozone season. EPA is considering expanding the ozone season. PM concentrations were close to the new daily standard of 35 ug/m³ on June 6 and 7. Sunil Kumar said that forecasting this year has been challenging, new control programs have not yet been worked into the forecasting models. Diane Franks said that the control programs being implemented may be having a noticeable positive effect on air quality.

3. PM Implementation Workgroup and EPA Regulations

Tom Ballou and Raj Rao discussed PM_{2.5} Implementation Issues, including the recent PM NSR rule and the Virginia PM implementation workgroup. The second meeting of the PM implementation workgroup was held on May 21. EPA guidance was discussed and the group decided to focus efforts on areas where the EPA regulations don't address particular issues. The next meeting will be held in July where a straw proposal will be reviewed.

Raj Rao said that EPA has recently published a final rule implementing the PM 2.5 NSR and PSD program. The rule was published in the Federal Register on May 16. The effective date of the rule will be July 15, 2008. He reviewed the various requirements, including significant precursors (SO₂, NO_x presumed in; VOC, NH₃ presumed out), major source thresholds (100 tpy for nonattainment areas), and significant emission rates (10 tpy PM direct; 40 tpy SO₂, VOC, NO_x). EPA adopted a transition policy for condensibles due to issues with the variability of test method 202 with certain source categories. EPA is working with industry and states to validate test methods. The default end of the transition period is January 1, 2011; however, EPA intends to propose a condensible policy by early 2009. Ron Myers is the project lead at EPA for the test method validation. In response to a question, Raj Rao said that PM is covered under subpart 1, therefore, EPA could not change the 100 tpy threshold. In response to a question, Doris McLeod and Diane Franks said that Virginia and Maryland will likely adopt the thresholds and offset ratios in the regulation. Maryland may add a caveat that the state could develop source-specific ratios if needed.

4. Comment Letter on Opacity Standards in Virginia

Jeff King presented a draft MWAQC comment letter requesting that the Air Board act to lower Virginia's opacity standard for stationary sources from 20% to 10% to be more consistent with the regulations in neighboring states. The letter was approved for recommendation to MWAQC. Diane Franks said that Maryland is revising its opacity regulation to clarify measurement techniques when using continuous monitors.

5. Power Plant Ash Disposal in Maryland

Diane Franks said that this item must be removed from the agenda because Maryland is in litigation with Mirant over the issue of fly ash disposal so can't discuss specifics. In response to a question from Julie Crenshaw Van Fleet, Bill Butler said that the only source of the fly ash disposed at the site of concern in Charles County is the Morgantown plant.

6. Climate Change Steering Committee: Status of Report

Joan Rohlf provided a status report on the draft COG climate change report, which was presented to the committee for comment on May 28. Staff are currently revising the report based on comments received from members and other interested stakeholders. The revised draft will be considered by the committee again on June 25. The plan is for the COG Board to receive the report on July 9, at which time it will be released for public comment. The report provides a base year and projected emission inventory, establishes recommended reduction targets, and contains recommendations for actions to help meet the targets. Measures have not yet been prioritized based on cost effectiveness.

7. Overview of EPA Emission Inventory Conference

Sunil Kumar discussed the recent EPA Emission Inventory Conference held in Portland Oregon on June 2-5. One of the major items was training on the new MOVES model, which will replace the Mobile and Nonroad models. A draft version of the MOVES model should be available by the end of 2008 and should be completed by the end of 2009. EPA will be taking public comment on the MOVES model. EPA is also changing the way the NEI submittal is handled, it will change from NIF to xml format. There were also sessions on greenhouse gas inventory tools and on air toxics.

8. COG Ethanol Forum

Leah Boggs discussed the recent ethanol forum hosted by COG in cooperation with the Alternative Fuels/Clean Cities Partnership. To address the needs of the fleet managers, COG is holding a series of workshops. The first one was on the topic of ethanol. Based on a survey conducted by COG, there are more than 4000 E85 vehicles in the region, mostly owned by the federal government. Unfortunately, due to lack of fueling infrastructure, use of E85 is quite limited. The federal and state governments are mandated to purchase alternative fueled vehicles. Local government purchases are voluntary. She said that due to issues with use of corn-based ethanol (higher food prices, fertilizer usage/runoff) there is an urgent need to develop cellulosic ethanol, which provides a 91 percent reduction in greenhouse gas emissions compared to conventional gasoline. The next workshop to be held on September 30 will be on biodiesel. In the fall, there will be a workshop on hybrids.

9. Other Business

Tom Ballou asked that a PM2.5 redesignation request be considered. It was agreed to add this as a topic on the next TAC agenda.

Bill Skrabak asked that an update on litigation be provided at a future TAC meeting.

Mike Clifford reminded the states about the need for vehicle registration data as of July 1.

10. State and Local Air Agency Report

Tom Ballou and Doris McLeod reported for Virginia. The Air Board will meet on June 24/25 to consider the air permit for the proposed coal-fired power plant in Virginia. Because of the Wise County issue, Air Board approval of the phase II OTC regulations was postponed. Virginia has completed the PM infrastructure SIP. The regional haze SIP is still being developed and may be released for public comment soon. Virginia is also undergoing an I/M program update, which should be a 3-5 year process. Julie Crenshaw Van Fleet asked whether DEQ modeled the effects of the Wise County plant on air pollution in the region. Doris McLeod said that the facility was

included in the regional planning process but that before/after results were not available. The proposed conversion of the Bremo facility was not included in the modeling. The modeling results may be included in the response to comments.

Jessica Daniels said that the District had nothing to report.

Bill Skrabak said that the City of Alexandria and Mirant are continuing discussions about a resolution of issues related to operation of the Mirant power plant.

Barbara Hardy said that Fairfax County recently built and used a light display showing the real time energy usage of various technologies such as LED, CFL and traditional light bulbs. A comparison chart was also developed which shows bulb life, equivalent lighting levels, and cost over time.

Diane Franks and Brian Hug reported for Maryland. Maryland is revising its opacity regulations to clarify the use of continuous opacity monitors. A distributed generation rule is being developed. A RGGI implementation rule is being finalized. A regulation increasing permit fees was passed. Maryland has completed all of its PM SIPs. The regional haze SIP is being developed. The final action of the Maryland Climate Commission is expected in July.

11. Set Date for Next Meeting, Future Agenda Items, Adjourn: The meeting was adjourned at 11:30am. The next TAC Meeting will be held on July 8, 2008.