

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: December 6, 2007

Time: 10 am to 12 pm

Place: Room 1, 1st Floor

DRAFT Agenda

- 10:00 1. Call to Order and Review of Meeting Summary (November 13, 2007)**
Chairman Cecily Beall, District Department of the Environment
- 10:10 2. PM_{2.5} SIP Revisions**
Jeff King, COG DEP will summarize the key technical corrections to the draft PM_{2.5} SIP.
- 10:30 3. PM_{2.5} SIP**
Joan Rohlfs, COG DEP, will present the draft PM_{2.5} SIP for approval to recommend to MWAQC.
- 10:45 4. Climate Change Steering Committee and Greenhouse Gas Emissions Workgroup**
Joan Rohlfs, COG DEP, will provide an update on the Climate Change Steering Committee.
- 11:00 5. Applications for Stakeholder Positions**
Joan Rohlfs, COG DEP, will discuss the status of stakeholder appointments for 2007.
- 11:10 6. Other Business**
- 11:30 7. State and Local Air Agency Report**
- 11:50 8. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: January 8, 2008



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**MWAQC Technical Advisory Committee
Meeting Summary
November 13, 2007 10am to 12pm
COG Board Room**

Present:

Tom Ballou, Virginia Department of Environmental Quality
Cecily Beall, District Department of the Environment
Randy Carroll, Maryland Department of Environment
Bhesh Dhamala, Fairfax County Department of Health
Diane Franks, Maryland Department of Environment
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
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 (by teleconference)
Mark Rawlings, District Department of Transportation
Bill Skrabak, City of Alexandria
Howard Simons, Maryland Department of Transportation
Kanti Srikanth, Virginia Department of Transportation
Khoa Tran, City of Alexandria
Chris Voigt, Virginia Department of Transportation
Flint Webb, Fairfax County Federation of Citizens Associations
Mike Zamore, Maryland National Capital Park and Planning Commission

Staff:

Mike Clifford, COG/DTP
Daivamani Sivasailam, COG/DTP
Jeff King, COG/DEP
Nabeel Keblawi, COG/DEP
Sunil Kumar, COG/DEP
Erin Morrow, COG/DTP
Joan Rohlf, COG/DEP

Observers/Participants:

Julie Crenshaw Van Fleet, AQPAC
Sharon Segner, Competitive Power Ventures

1. Call to Order and Review of Meeting Summary (October 9, 2007). Ms. Beall called the meeting to order at 10:05. The minutes of the October 9, 2007 meeting were approved with no changes.

2. PM_{2.5} Emission Inventory

Sunil Kumar presented the draft emission inventories for the PM_{2.5} SIP. He presented the draft 2002 and 2009 inventories for each of the precursors for each sector and explained that EPA requires that the base year inventory include the precursors ammonia and VOC even though the 2009 controlled inventory does not need to include these precursors. The largest source of SO₂ emissions are point sources. The largest source of NO_x emissions is the on-road sector. NO_x emissions from on-road, non-road, and point sources are expected to decline significantly by 2009 from existing control measures. SO₂ emissions for the on-road sector decline significantly, but SO₂ emissions from point sources are not anticipated until 2010 given the timing of the CAIR and Healthy Air Act requirements. He reviewed the control programs causing the reductions in emissions, including Tier 2 Motor Vehicle Standards, the Heavy Duty Diesel Rule, the Nonroad Diesel Rule, and CAIR.

Flint Webb said that staff should investigate open burning estimates because they may be overestimated. He also asked staff to investigate whether the nonroad sector is a source of ammonia emissions. Kanti Srikanth asked that a footnote be added to the presentation to note that the low-sulfur fuel requirement is part of the Heavy Duty Diesel Rule.

3. PM_{2.5} SIP Control Measures

Jeff King presented the draft PM_{2.5} SIP control measures, including RACM analysis, supplemental measures, and contingency measures. Similar to the 8-hour ozone SIP, emission reductions are applied for measures implemented after the 2002 base year. The most significant measures include Tier 2 Motor Vehicle Standards, the Heavy Duty Diesel Rule, the Nonroad Diesel Rule, and CAIR/Healthy Air Act. The TCMs from the 8-hour ozone SIP are included. Local voluntary measures are included as supplemental measures. An analysis of available control measures determined that there are no additional RACM that could be adopted by January 2008 to advance the attainment date by one year. Contingency measures are required for potential attainment failures. The measures proposed for the contingency plan are the Tier 2 Motor Vehicle Standards and CAIR/Healthy Air Act. For the contingency plan, the SIP includes a 2010 annual mobile budget for NO_x to credit the Tier 2 reductions. The contingency plan will rely on some substitution of SO₂ for NO_x. Without further EPA guidance on acceptable substitution ratios, staff will develop a range of likely substitution ratios based on available attainment modeling results.

4. Local Modeling

Tom Ballou discussed the status of the attainment modeling chapter for the SIP. DEQ has completed the modeling protocol and is in the process of officially validating the data and is calculating RRFs. The draft SIP chapter should be available by the end of the month. DEQ staff did attend an EPA meeting on local modeling. He said there are issues with the definition of hotspots. EPA defines hotspots based on monitored data showing elevated pollution levels. Based on available data, there are no monitored hotspots in the region. DEQ is attempting to set up a meeting with EPA to discuss further. Bill Skrabak asked if Mirant monitoring data is available for review. Tom Ballou said some quarterly data is available, but the annual review has not taken place yet. Bill Skrabak said that the City of Alexandria would like COG to host a meeting with interested members to discuss how to address stationary facilities in the region that

might be causing local exceedances of the NAAQS. Pam Parker, Jeff Harn, and Cecily Beall said they would support such a meeting. Bill Skrabak said that the City of Alexandria would like to see the SIP and the permit for the Potomac River Power Plant to be consistent. Currently, the City of Alexandria believes that the PM_{2.5} limits in the permit for the facility allow local pollution levels to be above the NAAQS.

5. PM_{2.5} SIP

Joan Rohlfs discussed the draft PM_{2.5} SIP schedule for approval to recommend to MWAQC. She said that technical corrections to the draft SIP are needed by November 28. The SIP will be revised for the December TAC meeting. MWAQC is scheduled to approve the draft SIP for public hearings in December. Currently, the major outstanding items are the appendices and the modeling chapter.

6. Climate Change Steering Committee and Greenhouse Gas Emissions Workgroup

Joan Rohlfs provided an update on the Climate Change Steering Committee. The Greenhouse Gas Emissions Workgroup held a joint meeting with the Energy Advisory Committee. The main focus was to review the draft inventory and to begin discussions on possible reduction targets. The CCSC will meet on November 28. The main items will be a presentation on local impacts from the University of Maryland and an initial discussion on potential regional reduction goals.

7. Other Business

Joan Rohlfs said that stakeholder applications will be distributed in December. Four new stakeholders will be appointed in January. Current stakeholder members are welcome to reapply.

8. State and Local Air Agency Report

Diane Franks reported for Maryland. Maryland is finalizing the adhesive and sealants rule. The RGGI rule is to be considered by the advisory council in December. Maryland is also still working on the CAL LEV rule. Various state agencies are busy preparing the interim report for the Climate Change Commission. PM_{2.5} SIPs for other nonattainment areas and the regional haze SIP are also being developed.

Tom Ballou reported for Virginia. The draft haze SIP is in stakeholder review prior to public hearings. In early October, EPA took an NSR action at an AEP facility in SW Virginia. This action will result in reductions in SO₂. On November 19, there will be a public hearing on the permit for the Mirant facility in Alexandria. The Air Board and DEQ are holding a mercury symposium on November 28/29 in Newport News Virginia.

Cecily Beall reported for the District. She said the regional haze and infrastructure SIPs are being developed. The Clean Cars bill is out of committee and will next be considered by the full Council. The District is establishing a Sustainable Energy Utility (SEU).

9. Set Date for Next Meeting, Future Agenda Items, Adjourn

The next TAC Meeting will be held on December 6, 2007. The meeting was adjourned at 11:57.