

Metropolitan Washington Air Quality Committee

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TECHNICAL ADVISORY COMMITTEE

Date: September 12, 2006

Time: 10 am to 12 pm

Place: Conference Call (or DEP Conference Room, 3rd Floor)

Call-In Number: 888-898-8635

Passcode: 774715

Lunch will be provided to members attending in person at noon

DRAFT Agenda

- 10:00 1. Call to Order and Review of Meeting Summary (July 11, 2006)**
Chairman Jim Sydnor, Virginia Department of Environmental Quality
- 10:10 2. Ozone Season Summary: Report**
Jen Desimone, COG DEP, will report on the 2006 ozone season.
- 10:25 3. SIP Schedule: Update**
Joan Rohlfs, COG DEP, will discuss the SIP schedule.
- 10:40 4. Attainment Modeling Subcommittee: Update**
Tom Ballou, VDEQ, will report on attainment modeling. Sunil Kumar, COG DEP, will discuss weight of evidence.
- 10:55 5. Conformity Subcommittee**
Stan Tracey, DC DOE, will report on the Conformity Subcommittee meeting held on September 11.
- 11:10 6. Local Government Initiatives Subcommittee: Update**
Jeff King, COG DEP, will discuss a survey of local government initiatives.
- 11:35 7. Nonroad Survey: Update**
Joan Rohlfs, COG DEP, will report on a survey of nonroad diesel equipment being conducted in the region.
- 11:45 8. State and Local Air Agency Reports/Announcements**
- CAIR SIP and RACT SIP Updates
 - Stakeholder Meeting (October)
- 11:55 9. Set Date for Next Meeting, Future Agenda Items, Adjourn:**
Next TAC Meeting: October 10, 2006

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**MWAQC Technical Advisory Committee
Meeting Summary
July 11, 2006 10am to 12pm
Rooms 4/5, 1st Floor**

Present:

Tom Biesiadny, Fairfax County Department of Transportation
Rick Canizales, Prince William County Department of Transportation
Randy Carroll, Maryland Department of Environment
Bhesh Dhamala, Fairfax County Department of Environmental Services
Barbara Hardy, Fairfax County Department of Environmental Services
Jeff Harn, Arlington County Department of Environmental Services
Brian Hug, Maryland Department of Environment
Maurice Keys, District of Columbia Department of Transportation
Chris Meoli, Virginia Department of Environmental Quality
Jim Ponticello, Virginia Department of Transportation (by teleconference)
Bill Skrabak, City of Alexandria
Howard Simons, Maryland Department of Transportation
Kanti Srikanth, Virginia Department of Transportation
Jim Sydnor, Virginia Department of Environmental Quality
Julie Thomas, National Park Service (by teleconference)
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
Joan Rohlf, COG/DEP
Ben Wauer, COG/DEP

Observers/Participants:

Charley Baummer, Metropolitan Washington Airports Authority
Julie Crenshaw Van Fleet, AQPAC
Gary Koerber, U.S. Department of Defense Regional Environmental Coordinator

1. Call to Order and Review of Meeting Summary (June 9, 2006). Mr. Hug called the meeting to order at 10:10. The minutes of the June 9 meeting were approved with no changes.

2. Emissions Inventory: Update

Brian Hug provided an update on emission inventories. 2009 mobile emissions estimates have recently been completed. Draft emission inventories for 2002, 2008, and 2009 for the nonroad, point, area, and mobile sources are now complete. Maryland, Virginia, and the District met their June 15 deadline for submitting the 2002 base year inventory to EPA. The inventory can now be used for planning purposes. Any revisions to the 2002 submission are expected to be minor.

Brian Hug said that an analysis comparing the 2008 emissions levels to the Reasonable Further Progress (RFP) targets indicates that the region will meet RFP requirements. Howard Simons asked about the 15 percent reduction requirement. Sunil Kumar said that he assumed 7.5 percent VOC and 7.5 percent NO_x to calculate the target. The 15 percent reduction is applied to the adjusted base case inventory to account for non-creditable emission reductions from the mobile sector. Jim Ponticello asked whether the RFP margin can be used as a contingency measure. Joan Rohlf said that staff are awaiting EPA guidance on this issue.

3. Conformity Subcommittee

Jeff King provided a report on the recent Conformity Subcommittee meeting held on July 7. The main focus of the discussion was establishing new mobile emissions budgets based on recently completed draft mobile emissions inventories. Draft mobile emission values for 2008 and 2009 may become new mobile budgets for use in conformity. Members reviewed the existing 2005 mobile emissions budget and the new 2008 and 2009 mobile emissions estimates developed using the new SIP inputs (hourly temps instead of min/max temps, 2005 vehicle registration data, etc.). Current estimates indicate that the projected 2008, 2009, and 2010 mobile emissions levels will be below the proposed new mobile budgets. The IAQC will consider mobile budget recommendations in July. One area of discussion involved a proposal to either set the 2009 budget based on 2010 values, or to establish a 2010 mobile budget as a SIP requirement or as a contingency measure. Because not all parties were represented at the meeting, the group recommended that another call be held before the IAQC meeting to discuss establishing new mobile budgets.

4. Attainment Modeling Subcommittee: Update

Brian Hug reported on attainment modeling and weight of evidence. The next attainment modeling efforts will reflect updated inventories from the Regional Planning Organizations (RPOs). Updated inventories are expected in late August. Joan Rohlf said that the Attainment Modeling Subcommittee is using the delay to advance work on the weight-of-evidence analyses.

Howard Simons asked about which model runs will be chosen for the SIP given the different modeling efforts underway. Jim Sydnor said that the Virginia DEQ model run will provide the basis for the SIP.

Mike Clifford asked about updates to the boundary conditions for the model. Brian Hug confirmed that the current inventory updates will provide the modeling teams with the inventories needed to complete the attainment modeling effort. In response to a question from Mike Clifford, Brian Hug said that for 2009, COG staff will not need to provide detailed mobile sector data as was done for the 2002 inventory submission. Brian Hug also said that 2010 mobile emissions estimates are not currently needed for the SIP.

5. SIP Schedule: Update

Joan Rohlf discussed the SIP schedule. Completion of attainment modeling has been delayed due to the need for updated inventories across the larger modeling domain. The draft SIP will be completed in October. Public hearings and response to comments would occur in December 2006 through February 2007. MWAQC would approve the final SIP in March/April 2007. IAQC will have input on the plan in October 2006 and March/April 2007. Joan Rohlf said that a Request for Proposal has been released to develop revised public outreach materials for use in stakeholder meetings in the Fall.

Flint Webb said that the MWAQC meeting in October should be a formal meeting. He also expressed concern about missing the opportunity to bring new actions before the state legislatures before the SIP is approved. Jim Sydnor said that the states do not need new legislation to begin the regulatory process for new SIP measures.

6. Control Strategy: Action

Jeff King presented a proposed control strategy for the 8-hour ozone SIP to recommend to MWAQC. He said that the states have agreed to move forward with implementing new regulatory programs developed by the Ozone Transport Commission (OTC). The three new mandatory regional measures include

Consumer Products Rule Phase II, Portable Fuel Containers Rule Phase II, and an Industrial Adhesives and Sealants rule. The OTC also agreed to pursue a mandatory chip reflash program across the Ozone Transport Region (OTR). Virginia will not adopt the chip reflash rule as a mandatory program. Maryland and the District may consider a voluntary approach to Chip Reflash as well. States may also adopt other measures on an as-needed basis, including industrial, commercial, and institutional (ICI) boiler standards; asphalt production controls; and cement kiln controls. A local innovative measures bundle may also be included in the SIP.

Control measures also need to be identified to satisfy contingency measure requirements. Jeff King presented a draft list of potential contingency measures, including potential measures such as phase II regulations on architectural and industrial maintenance coatings, additional EGU controls, and ICI boiler standards. Contingency measures must total 3 percent of the adjusted based year inventory.

Jim Sydnor and Flint Webb asked about the percent reduction and tonnage estimates, and the implementation timeframe. Brian Hug said that all the reduction estimates are from the draft model rules and are subject to change. He said that the reductions assume implementation by 2009. Jim Sydnor asked about the need to account for turnover. Brian Hug said that the estimates need to account for inventory turnover. Randy Carroll suggested that the recent State of Maryland renewable energy purchase commitment should be investigated as a potential measure.

Howard Simons asked why the baseline portable fuel container (PFC) emissions are so high and whether there is an issue with OSHA compliance. Flint Webb said that the PFC emissions are based on a California study that may result in an overestimate. Joan Rohlf said that the OSHA issue is only relevant to local government or other commercial uses. Brian Hug said that safety cans have not been developed that meet the emission standards.

Howard Simons asked when contingency measures will need to be implemented. Jeff King said that they need to be in place in the year following the attainment or RFP failure. Jim Sydnor asked if RFP excess can be used as a contingency. Jim Ponticello said that EPA is investigating the issue.

The group discussed the chip reflash issue. Virginia cannot adopt a mandatory chip reflash regulation without new legislation. Maryland and the District may pursue a voluntary program. Virginia and the District assume a lower reflash rate than the EPA default. Maryland's baseline mobile emissions estimates assume the EPA default value of 90 percent.

7. Local Government Initiatives Subcommittee: Update

Jeff King discussed recommended new measures being considered by the Local Government Initiatives Subcommittee. The Local Government Initiatives Subcommittee continues to seek commitments from member jurisdictions to include local voluntary measures in the SIP. Potential commitments include wind energy purchases, renewable portfolio standards, diesel retrofits, and LED traffic signal retrofits.

He also reported on the MWAQC work session held on June 28. He said that MWAQC members were briefed on the status of the local government initiatives as well as the broad regional OTC initiatives.

Jim Sydnor asked when staff would be able to identify and quantify the benefits of new measures. Joan Rohlf said that data collection efforts will focus on identifying programs that are already in-place in the region. She said that at some point commitment letters will be needed. Jeff King said that efforts to collect and analyze the information on local program should occur in September.

Jim Sydnor asked about taking credits for low emission vehicle purchases such as hybrids. Howard Simons said that it is possible to take credit for low emission vehicle purchases in conformity. Jim Ponticello said that the federal Tier 2 standards are fuel neutral. He said hybrid vehicles and other new Tier 2 vehicles have similar emission rates. The group agreed that the issue needs further investigation, including getting input from EPA.

8. Ozone Season Summary: Report

Sunil Kumar reported on the ozone season to date. There was one major air pollution episode at the end of May and early June. Peak 8-hour ozone concentrations were 102 ppb on both May 30 and 31. Local emissions and transport both contributed to the episode. The maximum 24-hour PM_{2.5} concentration was 35 ug/m³ on May 30. There were also three additional exceedences of the 8-hour ozone standard June 17, 18, and 21.

Flint Webb asked how this year's events compared to last year. Sunil said that last year there were 7 exceedences by this time. Jim Sydnor said that it is important to look at the 4th highest concentrations measures at these sites to determine whether there are actually violations.

9. State and Local Air Agency Reports

Jim Sydnor said that the Air Director's job in Virginia is open if anyone is interested.

The District and Maryland had nothing to report.

10. Set Date for Next Meeting, Future Agenda Items, Adjourn: Next TAC Meeting: September 12, 2006.