

Metropolitan Washington Air Quality Committee

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MWAQC TECHNICAL ADVISORY COMMITTEE

Date: October 11, 2011

Time: 10:00 am to 11:30

TELECONFERENCE

Call In Number (209) 647-1000

Passcode 789498#

Agenda

- 10:00 1. Call to Order and Review of Meeting Summary (September 13, 2011)**
Chairman Diane Franks, Maryland Department of Environment
- 10:05 2. PM2.5 Redesignation and Maintenance Plan: Update**
COG staff will provide an update on the status PM2.5 redesignation request and maintenance plan development.
- 10:30 3. Ozone NAAQS Implementation, Next Steps**
Members will discuss EPA's recent guidance on ozone implementation.
- 10:40 4. Conformity Report**
COG, DTP staff, will provide a report on this year's draft conformity determination for the 2011 CLRP.
- 10:55 5. Electric Vehicle Planning Initiative**
Joan Rohlfs, COG/DEP, will provide an update on COG's Electric Vehicle Planning Initiative.
- 11:05 6. Control Measures Workgroup Update**
Jeff King, COG/DEP, will discuss planning for meetings of the control measures workgroup.
- 11:15 7. State and Local Updates**
- 11:25 8. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: November 8, 2011



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**MWAQC Technical Advisory Committee
Meeting Summary
September 13, 2011 10:00AM to 11:30AM
DEP Conference Room, 3rd Floor**

Present:

Elizabeth Aiken, Virginia Department of Environmental Quality*
Monica Backmon, Prince William County*
Tom Ballou, Virginia Department of Environmental Quality*
Cecily Beall, District Department of the Environment*
Jessica Daniels, District Department of the Environment*
Diane Franks, Maryland Department of the Environment *
Andrew Gayne, Marine Base Quantico*
Barbara Hardy, Fairfax County*
Jon Kinsman, Edison Electric Institute*
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality*
Doris McLeod, Virginia Department of Environmental Quality*
Ana Prados, Fairfax County Federation of Citizens Associations*
Walt Seedlock, MWAA*
Howard Simons, Maryland Department of Transportation*
Ram Tangirala, District Department of the Environment*
Khoa Tran, City of Alexandria*
Chris Voigt, Virginia Department of Transportation*

Staff:

Anant Choudhary, COG/DTP
Elena Constantine, COG/DTP
Maia Davis, COG/DEP*
Kyle Hosley, COG/DEP Intern
Jeff King, COG/DEP
Sunil Kumar, COG/DEP
Eulalie Lucas, COG/DTP
Jane Posey, COG/DEP
Joan Rohlfs, COG/DEP

Others:

William Marsh*
Debbie Wilson, Consultant*

* attended by way of teleconference

1. Call to Order and Review of Meeting Summary (September 13, 2011)

Chairwoman Diane Franks called the meeting to order at 10:05. A change to the July 12 meeting summary was brought to the attention of the committee regarding item #8, the State and Local updates for Virginia. The final line in the second paragraph should read "Honeywell has received a permit in Richmond which involves 6000 tons of NO_x reduction between now and 2018."

2. Ozone Season Summary

Sunil Kumar provided for the committee an overview of the ozone season. The metropolitan Washington region had two Code Red days and 19 Code Orange days, totaling 21 exceedance days this ozone season (April 15 thru September 8). The average maximum daily 8-hour ozone concentration for days when the temperature was greater than or equal to 90°F was over 4 ppb lower in 2011 than in 2010. One other comparison made was between August 2010 and July 2011. Both months had 11 exceedance days, but July 2011 was 6°F warmer than August 2010, which is significant because the 6°F increase should mean more exceedances. There were no exceedances for PM_{2.5}.

3. PM_{2.5} Redesignation and Maintenance Plan: Update

Sunil Kumar provided updates on the status of the inventory development for the PM_{2.5} redesignation request and maintenance plan. A number of inventories are still in draft. For point sources, SO₂ emissions increase significantly from 2017 to 2025. The reasoning behind this increase in point source SO₂ is the power generation plant in Morgantown, Maryland along the Potomac. This power plant has two units and is responsible for 3500 tons of SO₂ per year. Increases in emissions between interim and out years are okay, as long as the emissions do not exceed those emissions from the attainment year. For area source PM_{2.5} emissions, if the transport factor is applied, there is a lower rate of increase from 2007 to 2025. We could also have our PM_{2.5} SIP approval before our submission of the PM_{2.5} redesignation request and maintenance plan. MOVES emissions need to be developed to better capture Onroad Mobile Sources.

Jeff King reported on the status of the Redesignation Request and Maintenance Plan for the Washington DC/MD/VA region. The Redesignation Request has basic information on PM_{2.5}, including what PM_{2.5} is, the health effects, and sources of PM_{2.5}. There is also the actual request and the evidence to back up our request to be considered in attainment. The Maintenance Plan has an overview of the plan and control measures for area, point, road, and nonroad PM_{2.5} sources. There are a few sections which need to be added to the Maintenance Plan, such as contingency measures, verification of maintenance, and the air quality monitoring network

Sunil Kumar discussed potential triggers for contingency actions. NAAQS is the key focus for the triggers, but there are also other triggers which range from one to three year averages. Five triggers were found, but only the three year average design value is required. So far, states have adopted anywhere between one and three of the triggers. The three triggers recommended by COG staff are where the one year, two year, and three year average of the annual mean PM_{2.5} concentrations exceed 15.0 µg/m³.

4. Ozone Transport Commission: Update

Jeff King presented to the committee information from the OTC Stakeholder meeting on

September 8th. At the meeting, control measures for potential action were discussed. These measures included controls on natural gas compressors, cement plants, consumer products, and mobile equipment refinishing, and solvent cleaning. In addition to the discussion around control measures, there was also great discussion regarding inventories for mobile sources. Presented at the meeting were projections that NO_x emissions could significantly increase in the next ten years with increased use in pleasure craft and aviation. These inventories demonstrate the importance of on-road and non-road mobile emissions, specifically with the contributions of NO_x and VOCs. The next OTC meeting is November 9th and 10th in Wilmington, DE.

5. Conformity Update

Jane Posey updated the committee on the progress of the conformity analysis. 2002 and 2016 are done and under review. The public draft should come out October 13.

Elena Constantine reported on her analysis of vehicle registration data. All 2011 data has been reviewed. The vehicle age and population in 2011 were compared to the same data from 2008. Future tasks include estimating the number of older vehicles (pre-1980 VINs), comparing the age distributions and diesel sales from 2011 to 2008, and generating output files for MOTs6.

6. Agreement on the Potomac River Generating Station

Khoa Tran discussed the recent agreement to shut down the Potomac River Generating Station. An agreement was signed between the City of Alexandria and GenOn Energy to permanently shut down the Potomac River Generating Station. Shutting down this power plant had been a goal of the City of Alexandria since 2004. The plant has to shut down by October 1, 2012, subject to the necessary notifications and approvals for the closing of the plant from PJM and other regulators. There are no problems or issues anticipated with the closing of the power plant. The closing of the Potomac River Generating Station will result in the prevention of 207 tons of PM_{2.5} per year, 890 tons of NO_x per year during ozone season, and 1400 tons of NO_x annually.

7. EERE in SIPs

Jeff King discussed the EERE allowance set-aside approach in the Cross State Air Pollution Rule (CSAPR). The Cross State Air Pollution Rule does not include a mechanism for NO_x allowance set-asides for energy efficiency or renewable energy sources. Staff have sent questions to EPA in an attempt to better understand the implications as it relates to complying with EPA's voluntary measures guidance for inclusion of EERE in SIPs.

8. State and Local Updates

Khoa Tran reported for the City of Alexandria. There is a Community Monitoring Group meeting to explain the Potomac River Generating Plant agreement on September 29th.

Cecily Beall reported for the District of Columbia. There is a public hearing on the OTC VOC 3rd round. Another hearing is planned regarding non-EGU NO_x SIP call, but not CAIR or CSAPR. A third hearing is scheduled regarding changes to the RHSIP. About 450 no idling signs are already up around DC with about 350 more ready to be put up.

Tom Ballou reported for Virginia. There is a public hearing on September 16 on the revisions of mobile emission budgets to the Fredericksburg SIP call.

Diane Franks reported for Maryland. There is a hearing September 27th pertaining to the RACT SIP. Another hearing is planned for the RHSIP. Baltimore has been bumped up to a serious rating from a moderate rating. Washington DC has been bumped up as well, from serious to severe.

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

The next TAC meeting will be held on October 11, 2011.