

Metropolitan Washington Air Quality Committee

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MWAQC TECHNICAL ADVISORY COMMITTEE

Date: July 12, 2011

Time: 10:00 am to 12:00

COG Board Room, 3rd Floor

Lunch will be served to members at noon

Agenda

- 10:00 1. Call to Order and Review of Meeting Summary (June 13, 2011)**
Chairman Diane Franks, Maryland Department of Environment
- 10:10 2. Ozone Season Summary**
Sunil Kumar, COG/DEP will provide an overview of the ozone season to date.
- 10:20 3. PM2.5 Redesignation and Maintenance Plan: Update**
COG staff will provide an update on the status of inventory development for the PM2.5 redesignation request and maintenance plan.
- 10:40 4. Importance of Low Level NOx Reductions in Meeting the Ozone NAAQS**
MDE staff will present information on the importance of low-level NOx reductions for attaining the ozone standard.
- 11:00 5. NASA Air Quality Monitoring Project**
Staff will provide information on a new air quality monitoring project called "Deriving Information on Surface Conditions from Column and Vertically Resolved Observations Relevant to Air Quality (DISCOVER-AQ)." The project involves use of aircraft to measure airborne pollutant concentrations in the Baltimore/Washington region.
- 11:20 6. SO2 Designations**
Air agency staff will discuss recent SO2 designation recommendations and will provide an overview of current planning activities.
- 11:30 7. Regional Tree Canopy Management Plan**
Jeff King, COG/DEP, will discuss a new regional task force charged with developing a regional tree canopy management plan.
- 11:45 8. State and Local Updates**
- 12:00 9. Set Date for Next Meeting, Future Agenda Items, Adjourn**
Next TAC Meeting: September 13, 2011



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DRAFT

**MWAQC Technical Advisory Committee
Meeting Summary
June 13, 2011 10:00 to 11:30
Room 1 First Floor**

Present:

Cecily Beall, District Department of the Environment
Randall Carroll, Maryland Department of the Environment
Austina Casey, District Department of Transportation
Jessica Daniels, District Department of the Environment
Andrew Gayne, Marine Base Quantico
Brian Hug, Maryland Department of the Environment*
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality
Doris McLeod, Virginia Department of Environmental Quality
Mike Lake, Fairfax Department of Transportation
Ana Prados, Fairfax County Federation of Citizens Associations
Howard Simons, Maryland Department of Transportation*
Bill Skrabak, City of Alexandria
Kanti Srikanth, Virginia Department of Transportation*
Ram Tangirala, District Department of the Environment*
Khoa Tran, City of Alexandria
Chris Voigt, Virginia Department of Transportation*

Staff:

Maia Davis, COG/DEP
Jeff King, COG/DEP
Ron Kirby, COG/DTP
Sunil Kumar, COG/DEP
Erin Morrow, COG/DTP
Jane Posey, COG/DEP
Joan Rohlfs, COG/DEP
Daivamani Sivasailam, COG/DTP

Others:

Deb Wilson, Consultant
Jen Tabor, US DoD REC Region III*

* attended by teleconference

1. Call to Order and Review of Meeting Summary (May 10, 2011)

Chairman Brian Hug called the meeting to order at 10:08. There were no changes to the May 10, 2011 meeting summary.

2. Ozone Season Summary

Sunil Kumar provided an overview of the ozone season to date. The region has had 2 Code Red Days and 4 Code Orange Days since April 15. The first episode was May 30-31, and the second episode was June 7-10. The last Code Red Day was on June 10 when very high levels of ozone were recorded. MDE reported that the Edgewood monitor reached a one hour peak of 143 ppb; for the 8 hour average, 111 ppb, the highest in many years. Transported pollution was a factor in the June episode. The University of MD flew aircraft and readings at 3000 ft. showed 115 ppb ozone coming into MD from the west.

3. Redesignation and Maintenance Planning Experience

Doris McLeod presented basic information on experience and approach for redesignation requests and maintenance plan development. Virginia DEQ staff reviewed their experience with submitting Redesignation Requests for the 1997 ozone NAAQS that were subsequently approved. There are three governing documents: Clean Air Act, Sept. 1992 EPA memo, "Procedures for Processing Requests to Redesignate Areas to Attainment," and 40 CFR 93.118(b)(2) (conformity). Maintenance Plans must contain Contingency Provision, which can take different forms. Virginia submits a list of provisions and promises to adopt them in a certain timeframe with triggers being a violation or an exceedance, as the state wishes. The plan must show that future emissions are below the Attainment Year emissions.

4. PM2.5 Redesignation and Maintenance Plan: Outline/Emissions Inventory

Jeff King presented the outline of the PM2.5 redesignation request and maintenance plan for the region. Sunil Kumar provided an update on emission inventory development as well as research conducted to determine approaches taken in other states. The status of inventories for the Maintenance Plan are that inventories are needed for three pollutants: NO_x, SO₂ and PM2.5. The point source inventories for 2002 and 2007 are final. MARAMA is preparing the inventories for 2017 (final) and 2025. Area source emissions for 2002 need to be revised due to changes in methodology since it was submitted in the PM2.5 SIP. Nonroad inventories need to be recalculated for 2002 using NMIM, the Nonroad model portion. Marine emissions need to be finalized for 2025. Mobile source emissions will not be completed until December. Staff is cautiously optimistic that the inventories will go down in 2025. Kanti Srikanth asked that staff add anticipated dates for completion of each inventory item. In response to question, Sunil said that 2002 inventory needs to be revised because EPA changed the methodology. The inventories received from MARAMA do not yet include transport fractions.

5. Air Quality Conformity

Elena Constantine presented the results of the conformity assessment for the revised 2010 Constrained Long Range Plan (CLRP). VDOT requested an amendment to the 2010 CLRP in order to fast track two projects. The technical approach to the conformity analysis was the same as for the original analysis of the 2010 CLRP. Changes to the CLRP include changes to I-95/I-395: the removal of HOV to HOT lane conversion and construction, and addition of a reversible ramp from the HOV lands of I-395 to/from Seminary Road. Conformity analysis results show that emissions decrease slightly for all pollutants due to VMT reduction. A draft MWAQC comment letter was reviewed and corrections were made to the project description. In response to a question from Bill Skrabak, Jane Posey said that there has not been a corridor study to examine the impact of the changes to the I395 project on local roads.

6. Regional Transportation Priorities

Ron Kirby discussed activities at COG to determine regional transportation priorities. COG's Dept. of Transportation is proposing a scope of work and process to develop priorities for future grant funding opportunities like TIGER. The process will identify 10-15 regional priorities to propose when funding is available. The two-year process will cycle into the 4 year update of the CLRP in 2014. Most of the priorities will be programs like Street Smart and Commuter Connection. They will most likely not be transportation projects. TPB will approve the scope of work on June 15.

7. Integrated Community Energy Planning Update

Jeff King discussed an outline of tasks being handled by an expert consultant supporting the regional Integrated Community Energy Task Force. COG has awarded a contract to FVB to support the Integrated Energy Solutions Task Force. The statement of work includes support for identification of current local policies and programs with recommendations for potential changes to facilitate new clean energy. It also includes a task to develop information on the costs and benefits of available clean energy resources as well as the business case for select approaches. Reports are due in June, July and September.

8. State and Local Updates

Doris McLeod reported for Virginia. The Virginia State Air Pollution Control Board recently met and approved the regulations for demand response and emergency generators. The state submitted designation recommendations to EPA for SO₂ as unclassifiable.

Cecily Beall reported for the District. The state submitted designation recommendations to EPA for SO₂ as unclassifiable.

Brian Hug reported for Maryland. The state submitted designation recommendations to EPA for SO₂ as unclassifiable. Maryland is also working on the Regional Haze and RACT SIPs.

Bill Skrabak reported for the City of Alexandria. Sierra Club has recently completed modeling for the Gen-On plant showing nonattainment, including portions of Maryland and the District. The city will review and analyze. Under the settlement agreement, the next phase is to issue an RFP to hire a vendor to install 3 baghouses. It may be possible to have construction begin in the Fall of 2012.

9. Set Date for Next Meeting, Future Agenda Items, Adjourn -- Next TAC Meeting: Tuesday July 12, 2011