MWAQC Technical Advisory Committee
Meeting Summary
April 8, 2014
10:00 AM to 12:00 PM

Present:
Ram Tangirala, District Department of the Environment
Jessica Daniels, District Department of the Environment
Tom Ballou, Virginia Department of Environmental Quality
Doris McLeod, Virginia Department of Environmental Quality
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality
Justin Wilkinson, Virginia Department of Environmental Quality
Tad Aburn, Maryland Department of the Environment
Diane Franks, Maryland Department of the Environment
Brian Hug, Maryland Department of the Environment
Lyn Erickson, Maryland Department of Transportation
Jim Ponticello, Virginia Department of Transportation
Chris Voigt, Virginia Department of Transportation
Austina Casey, District Department of Transportation
Gwen Kennedy, Loudoun County
Walter Seedlock, MWAA
Andrew McClelland, Quantico

Staff:
Sunil Kumar, COG/DEP
Jennifer Desimone, COG/DEP
Steve Walz, COG/DEP
Jeff King, COG/DEP
Leah Boggs, COG/DEP
Maia Davis, COG/DEP
Elena Constantine, COG/DTP
Jane Posey, COG/DTP
Eulalie Lucas, COG/DTP

1. Call to Order and Review of Meeting Summary
Chair Tad Aburn called the meeting to order at 10:00 AM. The March 11 meeting summary was approved without any changes.

2. Reasonable Further Progress (RFP) Plan
Sunil Kumar provided an update on the emission inventory development efforts for the 2017 RFP milestone year. The RFP plan is being developed in anticipation of the region being redesignated as moderate nonattainment area for the 2008 ozone standard if it fails to achieve the standard by December 31, 2015. He said an emission inventory call was held to discuss inputs and methodologies for developing emission for 2017. He also said Round 8.3 forecasts and NONROAD2008a model will be used for projecting area and nonroad sources. MOVES emissions from the latest available conformity analysis will be used. Point source emission will be provided by states. Ram and Tad suggested using MOVES2014 for developing onroad emissions. Elena pointed to the need for thorough evaluation of the new model before using it to develop emissions. Tad asked if control measures from PM2.5 maintenance Plan Appendix D will be used in the RFP plan. Tom suggested waiting to see if any measures are needed to meet RFP requirements before moving ahead with the above measures.

3. Revised Schedule – Revised PM2.5 Redesignation Request & Maintenance Plan (With Annual Mobile Budgets for 2017 and 2025)

Sunil Kumar discussed a draft schedule for revising mobile budgets for 2017 and 2025 using MOVES2010a model in the PM2.5 Redesignation Request & Maintenance Plan. Elena said that the only difference between the revised budgets that will be developed and the current MOVES2010a based emissions in the maintenance plan is the inclusion of new 2014 vehicle registration data. This would not lead to much difference in budgets. So there was not much value in revising budgets with MOVES2010a. Jim concurred with Elena and said it makes sense to revise the budgets with MOVES2014. Tom said the dilemma is whether to use MOVES2010a to meet the deadline in the maintenance plan or submit the MOVES2014 based budgets to EPA after the deadline. Tad asked Sunil to revise the schedule using MOVES2014 with the understanding that the submission may be delayed.

4. Briefing on CASAC Meeting (New Ozone Standard)

Tom Ballou briefed the members on the discussion held in EPA's CASAC meeting in North Carolina regarding the new ozone standard. EPA is recommending retaining the current 3-year average of 4th high form and revising the level to within the range of 70 to 60 ppb for the primary standard. For the secondary standard, EPA is recommending to adopt the W126 cumulative seasonal index averaged over 3-years as the form for this standard and consider setting the level to a range of 17 to 7 parts per million-hours. Tad expressed his concern about the form of the new primary standard not being discussed by EPA. CASAC panel recommended the following:

• General group consensus that current standards are not adequately protective of health and welfare
• General consensus on clear adverse health impacts at 70 ppb, no consensus below this level as uncertainties increase
• Likely recommendation to set health standard at "something less than" 70 ppb (60 to 69 ppb) to provide margin of safety
• General consensus on secondary standard based on the W126 (seasonal) approach in a range of 15-7 ppb
• Support for revised form – annual vs. 3-year average

5. Health Impacts of Ozone in Washington, DC

Sunil Kumar summarized the findings of the two research studies performed by Johns Hopkins researchers on the relationship between the ozone levels and the hospital admission cases of asthma and other respiratory problems of the children in the Washington, DC. He said that the two studies based on data obtained in 2004 and 2005 concluded that there was a strong relationship between the two. The studies also found that the high ozone levels were closely associated with asthma exacerbations observed in acute care visits in areas with high Medicaid enrollment and poverty. In response to queries, Sunil said there was not much information provided in the studies to regarding definition of "high ozone" and the sample size. Tad suggested including some more information in the presentation before taking it to MWAQC. He also said that the Johns Hopkins university researchers are willing to brief on the issue in MWAQC.

6. Briefing on 2014 Ozone Season Air Quality Forecasting

Sunil Kumar discussed in detail the air quality forecasting procedure for the 2014 ozone season. He said the forecasting would start on April 14th and end on September 30th.

7. State and Local Updates

Jessica said that the District of Columbia will publish notice for the public comment for the base year 2011 emissions inventory on April 11. She said DDOE received the adequacy letter for PM2.5 budgets. Brian said Maryland has nothing to report. Tom said that Virginia also received the adequacy letter for PM2.5 budgets.

The meeting ended at 12:00 pm.