

MWAQC Technical Advisory Committee
Meeting Summary
October 14, 10:00 AM - 11:45 AM

Present:

Allyson Frantz, Virginia Department of Environmental Quality
Chris Voigt, Virginia Department of Transportation
Dan Goldberg, George Washington University
Doris McLeod, Virginia Department of Environmental Quality
Emily Bull, Maryland Department of the Environment
Hawi Kitila, Maryland Department of the Environment
Henry Frishman, District Department of Energy & Environment
Jennifer Roelke, Maryland Department of the Environment
Jim Ponticello, Virginia Department of Transportation
Kane Samue, District Department of Energy & Environment
Marcia Ways, Maryland Department of the Environment
Regina Moore, Virginia Department of Transportation
Roger Thunell, Maryland Department of the Environment
Sonya Lewis-Cheatham, Virginia Department of Environmental Quality
Steven Swarr, Loudoun County
Thomas Foster, Virginia Department of Environmental Quality
Tom Ballou, Virginia Department of Environmental Quality
Virginia Burke, Maryland Department of Transportation
Greg Becoat, EPA R3

Staff:

Sunil Kumar, COG/DEP
Alissa Boggs, COG/DEP
Dusan Vuksan, COG/DTP
Erin Morrow, COG/DTP
Jeff King, COG/DEP
Jinchul Park, COG/DTP
Leah Boggs, COG/DEP
Mark Moran, COG/DTP
Wanda Owens, COG/DTP

1. Call to Order & Review of Meeting Summary

Roger Thunell chaired the meeting in absence of Joseph Jakuta and called to order it at 10 AM. The September 12th meeting summary was approved without any changes.

2. Ozone Season Summary

Sunil Kumar briefed members on the 2025 ozone season air quality data. There were five ozone and two PM2.5 exceedances until September 30th of this year. Ozone exceedances were all code orange while PM2.4 exceedances were all code red. He discussed a number of other charts that showed a continuation of the trend of declining ozone and PM2.5 exceedances. He attributed two code red days observed on July 4/5 to fireworks. Kane Samuel asked the reason behind lower air pollution levels now. Sunil said that lower NOx emissions level from both inside and outside region is the reason.

3. 2015 Ozone NAAQS RR/MP Inventory

Sunil Kumar briefed members on the status of emissions inventories for all sources for the redesignation request/maintenance plan.

Onroad:

Sunil Kumar discussed nonroad inventories for 2017 and 2022 that were developed using MOVES5 model,

Dusan Vuksan talked about the issue of electric vehicle projection in future years that are in the MOVES4 and MOVES5 default AVFT data and state provided AVFT data and its impact on emissions. He said that a sensitivity study will be undertaken and results presented in the November meeting.

Nonpoint/MAR:

Members asked staff to prepare two sets of projected emissions based on two different approaches. One approach will be using MARAMA/DEQ produced OSD/annual ratio, and the other approach will be to use COG cooperative forecasts.

4. Spatiotemporal Trends in Air Quality

Susan Anenberg (GWU) presented her study involving satellite based hourly ground NO₂ pollution measurement. She found that NO₂ levels is highest in morning and keeps declining throughout the day in DC area. She also discussed how pediatric asthma outcomes vary with pollution levels. Emergency Department (ED) visits are disproportionately higher among children living in Wards 7 and 8. She also talked about a community-centered study of road pricing in Washington, DC.

5. State and Local Updates

There were no updates.