

**DALLAS – FORT WORTH PHOTOCHEMICAL MODELING
TECHNICAL COMMITTEE MEETING**

*North Central Texas Council of Governments
616 Six Flags Drive, Centerpoint Two, Arlington, TX*

July 7, 2011 10:00 a.m. – 12:00 p.m.

ATTENDEES

David Hitchcock, Michael Feldman, Ed Ireland, Wendi Hammond, Chris Klaus, Madhu Venugopal, Jacquie Hui, Brian Boerner, Zuber Farooqui, Syeda Haque, Carrie Paige, Tony Walker, Jim Schermbeck, Kathy Singleton, Doug Boyer, Chris Kite, Suresh Raja

MINUTES

1. Doug Boyer with the Texas Commission on Environmental Quality (TCEQ) welcomed the group and started the meeting.
2. Carrie Paige with the United States Environmental Protection Agency (EPA) discussed updates to NO₂ and SO₂ standards, the update to the Clean Air Interstate Rule (now known as the Cross-State Air Pollution Rule), and the July 31 scheduled release of the next eight-hour ozone national ambient air quality standard (NAAQS).
3. Chris Klaus with the North Central Texas Council of Governments (NCTCOG) discussed conformity and on-road motor vehicle emissions. In future years, NCTCOG may not be able to demonstrate conformity with results from EPA's latest on-road emissions model, the Motor Vehicle Emissions Simulator (MOVES). MOVES estimates higher nitrogen oxides (NO_x) emissions than the previous model, MOBILE6.2, which the current DFW State Implementation Plan (SIP) revision has been proposed with. After March 2, 2012 MOVES is required for conformity analyses by EPA. If NCTCOG can't demonstrate conformity with MOVES based on a MOBILE6.2 motor vehicle emission budget (MVEB), road projects may have to be delayed or cancelled. NCTCOG has requested TCEQ to include MOVES emissions in the current DFW SIP revision to remedy the issue of demonstrating conformity with a new model based on an old model's data.
4. Chris Kite with TCEQ discussed the differences between MOBILE6.2 and MOVES and noted the lack of improvement to MOBILE6.2 since 2003. The development of the MOVES on-road emission inventories was also detailed. The DFW nine county nonattainment MOVES totals were compared to the MOBILE6.2 totals that have been proposed with the current DFW State Implementation Plan (SIP) revision. NO_x emissions increased with the MOVES estimates in 2006 and 2012. VOC emissions were approximately the same.
5. Doug Boyer with TCEQ discussed photochemical modeling results using the 2006 and 2012 MOVES on-road mobile emission inventories. The photochemical model responded to the increase in NO_x emissions with increased ozone concentrations throughout the modeling domain compared to modeling results using MOBILE6.2-based on-road mobile emissions. 2012 ozone concentrations increased greater than 2006 estimates, which yielded a 2012 future design value of 78 parts per billion (ppb). That is two ppb greater than the 2012

future design value in the current proposed DFW SIP revision. The DFW nine-county nonattainment area is still predicted to attain the 1997 eight-hour ozone NAAQS.

Doug also noted that TCEQ is taking comment on using MOVES-based on-road emission inventories in the DFW SIP revision. Public hearings in Arlington on July 14, 2011 and in Austin on July 22, 2011 are opportunities for anyone to comment on the proposed DFW SIP revision. It was asked if the comment period would be extended to evaluate this new data (It has been extended to August 8, 2011).

6. Doug Boyer noted that DFW monitoring and modeling projects from the Air Quality Research Program (AQRP) were conducted in June with a monitoring focus at the Eagle Mountain Lake site. Analyses and results from these projects should be released over the summer and the next year. Doug requested input from the group if they would be interested in having future PMTC meetings to have the researchers discuss their results. No responses were received.
7. The meeting was adjourned at 12:00 PM.