

**DFW Photochemical Modeling Technical Committee**  
**July 6, 2006**  
**Meeting Summary**

1. Brian Foster with TCEQ welcomed the group and started the meeting.
2. Erik Snyder with EPA Region 6 reported that a new software program is coming out to analyze the area outside the nonattainment area's monitoring network. This is referred to as the "attainment test" or the "out of network test" and is intended to make sure that there are no persistent ozone hot spots away from the monitoring sites. Erik said that the DFW area may be one of the first areas to use this new program when it becomes available.
3. Pete Breitenbach with TCEQ gave an update on the 2009 future case modeling for the DFW area. Pete showed the results of three recent source apportionment tests runs: DFW 2009 future case; EGU impacts with fuel specific controls; and 2002 CENRAP modeling. The source apportionment test used was the Anthropogenic Precursor Culpability Assessment (APCA), which is used to track which sources contribute to ozone formation.

The first test was set up to identify ozone formed from sources outside Texas, inside Texas, and inside the 9-county DFW area. Results indicated that sources inside the DFW 9-county area contribute 40%, sources inside Texas contribute 6%, other states contribute 9%, and other sources (IC/BC/biogenics) contribute about 45%.

The next test looked at the impact from fuel-specific emissions reductions. The test was set up using controls similar to those in the HGB cap: Texas lignite at 0.08 # NO<sub>x</sub> / MMBTU; PRB coal at 0.05 # NO<sub>x</sub> / MMBTU; and Gas fired at 0.03 # NO<sub>x</sub> / MMBTU. Results were that on average, Texas EGUs contribute about 2.3 ppb to the DFW future case ozone. The contributions from individual EGUs are highly dependent upon daily changes in the wind direction. Fuel-specific controls can reduce DFW ozone in 2009 by about 0.85 ppb.

The third test used CENRAP modeling from 2002 to evaluate contributions from the 9-county DFW area, other Texas counties, and other states. Results showed that the DFW area contributed about 45%, other counties in Texas contributed 8%, other states contributed 26%, and other sources (IC/BC/biogenics) contributed about 20%.

4. Jay Olaguer with HARC announced that the H-60 project with Environ regarding the proposed new EGUs was scheduled to be completed on Friday July 14, 2006. He said that they were looking into having a meeting where Environ would present the results. Details of a meeting would be forthcoming.
5. The meeting was adjourned at 12:05 pm.