

**TERC Science Advisory Committee
February 21-22, 2008 Meeting
HARC/Lone Star College District Services Campus
4800 Research Forest Drive, The Woodlands, TX**

FINAL AGENDA

Thursday, February 21: Public Meeting (Board Room)

- 8:00 – 8:30 **COFFEE**
- 8:30 – 8:35 **Welcome and Introduction** (George Beatty)
- 8:35 – 8:45 **Status of the Texas SIP** (Greg Nudd)
- 8:45 – 9:00 **Critical Issues for Ozone Research in East Texas** (Jay Olaguer)
- 9:00 – 10:00 **Update on TERC-Funded Analyses of TexAQS II Data**
TRAMP and Baylor Aircraft Data Analysis Results
(Presenters: Bernhard Rappenglueck, Barry Lefer, Marty Buhr;
Time: 20 min)
Modeling the TexAQS II Intensive Period
(Presenters: Daewon Byun, Harvey Jeffries; Time: 20 min.)
Compilation and Analysis of Meteorological Data from TexAQS II
(Presenter: John Nielsen-Gammon; Time: 20 min.)
- 10:00 – 10:15 **BREAK**
- 10:15 – 12:15 **Further Analysis of TexAQS II Data**
Radical Sources
Chemical Data Assimilation and Parameterization of Heterogeneous
Chemical Processes on the Urban Canopy
(Presenters: Daewon Byun, Jochen Stutz; Time: 20 min.)
Episode Development
Meteorological Data Assimilation and Parameterization of Vertical Mixing
(Presenter: John Nielsen-Gammon; Time: 15 min.)
Integration of Multi-Platform Modeling Analysis and 2006 Field Measurements
to Explain Ozone Sensitivity in Houston and SE Texas
(Presenter: Harvey Jeffries; Time: 15 min.)
Transport
Analysis of 2006 DFW Stationary Front
(Presenters: Dick McNider, Marty Buhr; Time: 15 min.)
Assessment of Ozone Chemistry and Transport Based on SETTS Data
(Presenter: Carl Berkowitz; Time: 10 min.)
Emissions
Houston Triangle Data Analysis and Source Apportionment
(Presenter: Carl Berkowitz; Time: 10 min.)
Biogenic and Industrial Emissions Characterization
(Presenter: Elena McDonald-Buller; Time: 20 min.)
Top Down Emissions Verification Based on SOF and Aircraft Data
(Presenter: Noor Gillani; Time: 15 min.)
- 12:15 – 13:30 **LUNCH - Offsite**

- 13:30 – 15:00 **Assessment of Radical Sources and VOC Emissions**
Study of Houston Atmospheric Radical Precursors (SHARP)
(Presenters: Bernhard Rappenglueck, Barry Lefer, Marty Buhr;
Time: 25 min.)
Surface-induced Oxidation of Organics in the Troposphere (SOOT)
(Presenter: Renyi Zhang; Time: 20 min.)
Formaldehyde and Olefins from Large Industrial Releases (FLAIR)
(Presenters: Jochen Stutz, Tom Jobsen, Johan Melquist; Time: 30 min.)
VOC Emissions from Wastewater Treatment and Other Industrial
Facilities (Presenter: Art Werner; Time: 15 min.)
- 15:00 – 16:00 **Discussion:** What new studies are required to further address issues identified
in recent analyses of TexAQS II data?
- 16:00 – 16:15 **BREAK**
- 16:15 – 17:15 **Control Strategy Assessment**
Speciation Study of Emissions from Flaring (Presenter: Kuyen Li; Time: 15 min.)
Flare Minimization (Presenter: Qiang Xu; Time: 15 min.)
Impact of Diesel Engine Control Devices on DFW Ozone
(Presenter: Greg Yarwood; Time: 15 min.)
Analysis of Historical Emission Changes to Inform New Emission Projection
Analyses (Presenter: Jim Wilson; Time: 15 min.)
- 17:15 – 17:25 **Final Remarks (SAC Members)**
- 17:25 – 17:30 **DISMISSAL**
- 18:30 – 20:00 **Private Dinner for SAC and Research Team Committee**

Friday, February 22: SAC Discussion with Research Team Committee (Board Room)

- 8:00 – 8:30 **COFFEE**
- 8:30 – 10:00 **Discussion I**
Further Analysis of TexAQS II Data
- 10:00 – 10:15 **BREAK**
- 10:15 – 11:45 **Discussion II**
Assessment of Radical Sources and VOC Emissions
- 11:45 – 12:15 **Discussion III**
Control Strategy Assessment
- 12:15 – 12:30 **BREAK**

Friday, February 22: Working Lunch for SAC Members (F1 Conference Room)

- 12:30 – 12:45 Presentation on New Air Quality Research Contract Provisions (Ivy Guice)
12:45 – 13:30 Discussion of Implications for SAC By-Laws (SAC Members)

Friday, February 22: Private SAC Deliberation (F1 Conference Room)

- 13:30 – 15:15 **Discussion and Evaluation of Proposals**
15:15 – 15:30 **BREAK**
15:30 – 17:30 **Discussion and Evaluation of Proposals**