Provisional Program
Understanding the Health Risks of Lower Olefins

Wednesday 5 November 2014

**8:30 Session 1-- Welcome and Opening Remarks**
Jim McGraw (International Institute of Synthetic Rubber Producers) and Stuart Cagen (Shell Oil)

**8:40 Session 2—Exposure and Bio-monitoring**
Chair--Claude White (LyondellBasell)

**8:45 Emissions and Ambient Air Monitoring Trends of Lower Olefins Across Texas Over the Past 10 Years**
Jessica Myers (Texas Commission on Environmental Quality)

**9:30 Population Exposures to Anthropogenic Sources of Ethylene Gas: A Survey of the Literature**
David Morgott (David Morgott Pennsport Consulting, LLC)

**10:15-10:45 BREAK**

**10:45 Biomarkers of Industrial and Environmental Exposure to 1,3-butadiene**
Natalia Tretyakova (University of Minnesota)

**11:30-12:30 LUNCH**

**12:30 Session 3—Toxicology, Epidemiology and Risk Assessment of Butadiene**
Co-chairs-- Roberta Grant (Texas Commission on Environmental Quality) and Jeff Lewis (ExxonMobil Biomedical Sciences)

**12:30 Butadiene, CML and the 9:22 Translocation: A Reality Check**
Richard Albertini (University of Vermont)

**1:15 Update of the styrene butadiene rubber industry cohort**
Nalini Sathiakumar (University of Alabama at Birmingham)

**2:15 A Regional Model of Lung Metabolism for Improving Species Dependent Descriptions of 1,3-Butadiene and its Metabolites**
Harvey Clewell (ENVIRON International Corporation)

**3:00-3:30 Break**
3:30 A Comprehensive Review of Occupational and General Population Cancer Risk: 1,3-butadiene Exposure-response Modeling for all Leukemia, Acute Myelogenous Leukemia, Chronic Lymphocytic Leukemia, and Chronic Myelogenous Leukemia
Robert Sielken (Sielken and Associates)

4:30 Olefins and Chemical Regulation in Europe: REACH
Michael Penman representing the Lower Olefins and Aromatics Reach Consortium

6:00-8:00 Reception-- Westin at the Domain in Private Dining Room I

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8:00 Session 4—Toxicology and Risk Assessment of Ethylene
Chair--Roberta Grant (Texas Commission on Environmental Quality) and Marcy Banton (LyondellBasell)

8:05 Ethylene-Induced Nasal Lesions in Rats: Understanding the Pathogenesis and the Impact for Human Risk Assessment
Jon Hotchkiss (Dow Chemical)

8:35 Comparison of Ethylene- and Ozone-Induced Nasal Toxicity: A Similar Mode of Action?
Jack Harkema (Michigan State University)

9:05 Ethylene oxide in ethylene-exposed mice, rats, and humans
Johannes G. Filser (Institute of Molecular Toxicology and Pharmacology, Helmholtz Zentrum München)

9:35-10:05 BREAK

10:05 Health-Based and Vegetative Based Effect Screening Values for Ethylene
N. Erraguntla (Texas Commission on Environmental Quality)

10:35 Session 5-- Future Directions
Chair--Stuart Cagen and Session Chairs
Risk Assessment Roadmaps & Methods for Using 21st Century Data
Mike Dourson (TERA)

11:30-12:00 Lunch

12:00 Symposium closes