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
Cynthia Van Landingham (Environs 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 Olefin Sector Group REACH Consortium

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

Thursday 6 November 2014

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

8:05  Recent Developments in the Understanding of Beta-chloroprene Toxicology
Matt Himmelstein (DuPont Haskell Global Center)

8:35  Ethylene-Induced Nasal Lesions in Rats: Understanding the Pathogenesis and the Impact for Human Risk Assessment
Jon Hotchkiss (Dow Chemical)

9:20  Comparison of Ethylene- and Ozone-Induced Nasal Toxicity: A Similar Mode of Action?
Jack Harkema (Michigan State University)

10:05-10:30 BREAK

10:30  Health-Based and Vegetative Based Effect Screening Values for Ethylene
N. Erraguntla Texas Commission on Environmental Quality

11:00  Current State of Risk Estimation for Beta-chloroprene
Matt Himmelstein (DuPont Haskell Global Center)
11:30 Session 5-- Future Directions
   Chair--Stuart Cagen and Session Chairs

   Risk Assessment Roadmaps & Methods for Using 21st Century Data
   Mike Dourson (TERA)

1:00 Symposium closes