



**Tuesday, July 28, 2009 8:30 a.m. - 4:30 p.m. (Central Time)**

**Session 1: Current Views, Approaches, Drivers, and Vision for the Future**

- 8:00 a.m. – 8:30 a.m. Complimentary Light Breakfast
- 8:30 a.m. – 9:00 a.m. Opening Remarks: Welcome and Workshop Goals, Overview, and Anticipated Products (Walt Kovalick, R5 DRA; Fred Hauchman, OSP; Andrew Geller, ORD)
- 9:00 a.m. – 10:00 a.m. Rapid Survey of Program Office Perspectives and Approaches to Cumulative Risk Assessment
- OPP/OPPTS (Anna Lowit)
  - Regions and OAR (George Bollweg)
  - OSWER (Stiven Foster)
  - OW (Elizabeth A. Doyle)
  - OEJ (Charles Lee)
  - OECA (Andrew Schulman)
- 10:00 a.m. – 10:20 a.m. Break
- 10:20 a.m. – 11:30 a.m. Articulating the Vision
- Gary W. Bangs, Risk Assessment Forum—EPA Vision and Guidance
  - Peter W. Preuss, NCEA—Cumulative Risk and the Future of Risk Assessment
  - Sally P. Darney, ORD—Toxicity Pathways, Mixtures, and Cumulative/Community Risk
  - Glenn W. Suter, NCEA—Health–Ecology Integration
- 11:30 a.m. – 12:00 p.m. Interactive Panel/Audience Discussion
- 12:00 p.m. – 1:00 p.m. Lunch Presentation: Tom Brody, Region 5 RMD—Interim Environmental Justice Screening Tool (Sandwich Buffet Provided)

**Session 2: Community-Based Cumulative Risk Assessments (CBCRA)**

- 1:00 p.m. – 2:05 p.m. Plenary Presentations—Introduction and Session Description (Timothy M. Barzyk)
- Community Considerations (Davyda Hammond)
    - Overview
    - Case Study Examples
    - CBCRA Environmental Issues
    - Risk Perception
    - Tool Examples
  - Coastal Ecosystems and Communities (Geoffrey I. Scott, NOAA)
    - Multi-Source Pollutants and Ecosystem Indicators
    - Synergistic Effects of DDT and Algal Blooms
    - Pesticides, Ecosystems, and Human Health Case Study
- 2:05 p.m. – 2:15 p.m. Break

- 2:15 p.m. – 3:30 p.m. Breakout Group Discussions
- 3:30 p.m. – 4:35 p.m. Reports Back, Session Summary, and Conclusions (Timothy M. Barzyk, Facilitator)

**Wednesday, July 29, 2009 8:30 a.m. - 4:30 p.m. (Central Time)**

**Session 3: Temporal Considerations—Facility Lifecycle, Co-exposure, and Temporal Physiological Considerations in Risk Assessment and Risk Management**

- 8:00 a.m. – 8:30 a.m. Complimentary Light Breakfast
- 8:30 a.m. – 10:30 a.m. Temporal and Facility Lifecycle Considerations (Matthew Small)
- New Facility Siting (land use, environmental impact)
  - Operating Facility (changing land use, emissions)
  - Facility Cleanup and Closure (multiple chemicals, exposure management)
  - Facility Re-use (Brownfields)
- Facilitated Group Discussion
- 10:30 a.m. – 10:50 a.m. Break
- 10:50 a.m. – 12:00 p.m. Pesticides (Anna Lowit)
- Temporal Exposure and Physiological Considerations
  - Spatial Considerations
  - Population Considerations
- Facilitated Group Discussion
- 12:00 p.m. – 1:00 p.m. Interactive Poster Session: (Sandwich Buffet Provided)
- David Herr (ORD/NHEERL)
  - Tim Shafer (ORD/NHEERL)
  - Jane Gallager (ORD/NHEERL)

**Session 4: Spatial Context—NW Indiana**

- 1:00 p.m. – 2:30 p.m. Plenary Presentations—Case Studies and Tools
- Region-wide Assessment (CrEAM) (Charles G. Maurice/Mary White)
  - County-level Air Screening Assessment (ASA) (George Bollweg/Carole Braverman)
  - Area of Concern—Grand Calumet River AOC (Scott Ireland)
  - Site-specific—Northern Indiana Public Service Company (NIPSCO) (Carolyn Bury)
- 2:30 p.m. – 2:50 p.m. Break
- 2:50 p.m. – 3:50 p.m. Breakout Discussions with Charge Questions
- 3:50 p.m. – 4:30 p.m. Plenary Report-Back Discussions

**Thursday, July 30, 2009 8:30 a.m. - 3:00 p.m. (Central Time)**

**Session 5: Tribal Perspectives on Implementing an Integrated Cumulative Assessment**

- 8:00 a.m. – 8:30 a.m. Complimentary Light Breakfast
- 8:30 a.m. – 8:45 a.m. Overview of Tribal Perspectives (Carol Jorgensen)
- 8:45 a.m. – 9:45 a.m. Plenary Presentations—Case Studies and Tools (Nigel Fields)

- Protecting Traditional Tribal Lifeways by Protecting the Resources: a Fond du Lac Approach (Nancy Schuldt, Fond du Lac Reservation Resource Management)
- New LifeLine™ Software: Contribution to Objectives and Science of Cumulative Risk Assessment (Christine Chaisson, The LifeLine™ Group, Inc.)

9:45 a.m. – 10:00 a.m. Break

10:00 a.m. – 11:40 a.m. Breakout Discussions—Expanding on Case Study Information

11:40 a.m. – 12:00 p.m.. Plenary Report-Back Discussions

12:00 p.m. – 1:00 p.m. Interactive Poster Discussion: (Sandwich Buffet Provided)

- Jane Simmons (ORD/NHEERL)
- Laura Jackson (ORD/NHEERL)
- Matthew Small (Region 9)

**Session 6: Moving Forward—Roundtable Discussion on Implementation of CRA and Needed Research (EPA Senior Managers and Scientists)**

1:00 p.m. – 3:00 p.m. Opportunity for Senior Managers and Scientists To Give Commentaries and Engage in Discussion

- What should an EPA CRA look like?
- What are the core constant features?
- What features will vary between programs and applications?

Interactive Discussion—Audience, Senior Managers, and Scientists: Implementation: An Operationally Directed Discussion

- What is the plan to move forward?
- How will we address the identified gaps?
- What do the near-term and long-term timelines look like for the identified research needs, products, and implementation?