

AGENDA
U.S. Environmental Protection Agency
Clean Air Scientific Advisory Committee (CASAC)
Oxides of Nitrogen Review Panel
Public Meeting
DoubleTree Hotel Raleigh-Brownstone-University
1707 Hillsborough Street, Raleigh, North Carolina
June 2-3, 2015

Purpose: The CASAC Oxides of Nitrogen Review Panel will peer review EPA’s *Integrated Science Assessment (ISA) for Oxides of Nitrogen - Health Criteria (Second External Review Draft – January 2015)* and *Risk and Exposure Assessment Planning Document (External Review Draft)*.

Tuesday, June 2, 2015

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| 9:00 a.m. | Convene Meeting | Mr. Aaron Yeow Designated Federal Officer SAB Staff Office |
| | Welcome | Mr. Christopher Zarba Director SAB Staff Office |
| 9:10 a.m. | Review of Agenda | Dr. H. Christopher Frey Chair |
| 9:15 a.m. | EPA Presentation on 2 nd Draft Integrated Science Assessment | Dr. John Vandenberg Dr. Molini Patel EPA National Center for Environmental Assessment |
| 9:45 a.m. | Public Comments | See List of Public Speakers |
| 10:15 a.m. | Break | |
| 10:30 a.m. | Discussion of ISA Charge Questions | Chair and Panel |
| | Discussion of Response to ISA Charge Questions | Lead Discussants: Mr. <u>George Allen</u> , Drs. Ronald Cohen, Philip Fine |
| | <ul style="list-style-type: none"> • Chapter 2 – Atmospheric Chemistry and Ambient Concentrations of Oxides of Nitrogen | |
| | <ul style="list-style-type: none"> • Chapter 3 – Exposure to Oxides of Nitrogen | Drs. <u>Jeremy Sarnat</u> , Tim Larson*, Lianne Sheppard*, Helen Suh* |
| | <ul style="list-style-type: none"> • Chapter 4 – Dosimetry and Modes of Action for Oxides of Nitrogen | Drs. <u>Matthew Campen</u> , Panos Georgopolous*, Michael Kleinman* |
| 12:00 p.m. | Lunch | |

*participating via teleconference

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| 1:15 p.m. | Discussion of Response to ISA Charge Questions (cont'd.) <ul style="list-style-type: none"> Chapters 5 and 6 – Integrated Health Effects of Short-Term and Long-Term Exposure to Oxides of Nitrogen | Lead Discussants: Drs. <u>Ronald Wyzga</u> , Douglas Dockery, Joel Kaufman, Lianne Sheppard* |
| 3:00 p.m. | Break | |
| 3:15 p.m. | Discussion of Response to ISA Charge Questions (cont'd.) <ul style="list-style-type: none"> Chapter 7 – Populations and Lifestages Potentially at Increased Risk for Health Effects Related to Nitrogen Dioxide Exposure Executive Summary and Chapter 1 – Integrative Synthesis | Lead Discussants: Drs. <u>Michael Jerrett</u> , Joel Kaufman, Helen Suh* Drs. <u>Jack Harkema</u> , Tim Larson* |
| 4:45 p.m. | Clarifying Public Comments | TBD |
| 5:00 p.m. | Recess | Mr. Yeow |

Wednesday, June 3, 2015

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| 8:00 a.m. | Convene Meeting | Mr. Yeow |
| 8:05 a.m. | EPA Presentation on Risk and Exposure Assessment Planning Document | Dr. Erika Sasser Dr. Stephen Graham Dr. Scott Jenkins EPA Office of Air Quality and Planning Standards |
| 8:35 a.m. | Public Comments | See List of Public Speakers |
| 9:00 a.m. | Discussion of REA Planning Document Charge Questions | Chair and Panel |
| | Discussion of Response to REA Planning Document Charge Questions <ul style="list-style-type: none"> Chapter 1 – Introduction Chapter 2 – Air Quality and Health Benchmark Comparisons | Lead Discussants: Drs. <u>Jack Harkema</u> , Tim Larson* Drs. <u>Philip Fine</u> , Ronald Cohen, Mr. George Allen |
| 10:00 a.m. | Break | |

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| 10:15 a.m. | <p>Discussion of Response to REA Planning Document Charge Questions (cont'd.)</p> <ul style="list-style-type: none"> • Chapter 2 – Air Quality and Health Benchmark Comparisons (cont'd.) • Chapter 3 – Exposure Assessment • Chapter 4 – Human Health Risk Assessment <ul style="list-style-type: none"> ○ Question 1 (Controlled human exposure studies) | <p>Lead Discussants:</p> <p>Drs. <u>Philip Fine</u>, Ronald Cohen, Mr. George Allen</p> <p>Drs. <u>Jeremy Sarnat</u>, Michael Jerrett, Tim Larson*, Lianne Sheppard*, Helen Suh*</p> <p>Drs. <u>Matthew Campen</u>, Panos Georgopoulos*, Michael Kleinman</p> |
| 12:00 p.m. | Lunch | |
| 1:15 p.m. | <p>Discussion of Response to REA Planning Document Charge Questions (cont'd.)</p> <ul style="list-style-type: none"> • Chapter 4 – Human Health Risk Assessment (cont'd.) <ul style="list-style-type: none"> ○ Question 2 (Epidemiology) • Overarching Question | <p>Lead Discussants:</p> <p>Drs. <u>Douglas Dockery</u>, Michael Jerrett, Joel Kaufman, Ronald Wyzga</p> <p>Dr. Frey and Panel Members</p> |
| 3:00 p.m. | Clarifying Public Comments | TBD |
| 3:15 p.m. | Summary and Action Items | Dr. Frey |
| 3:30 p.m. | Adjourn | Mr. Yeow |