

October 16, 2007

**U.S. Environmental Protection Agency – Science Advisory Board (SAB) Staff Office
Clean Air Scientific Advisory Committee (CASAC)
Oxides of Nitrogen Primary NAAQS Review Panel
Public Meeting
October 24-25, 2007
Marriott at Research Triangle Park, 4700 Guardian Drive, Durham, NC, 27703**

Meeting Agenda

Purpose: To conduct a peer review of EPA’s Integrated Science Assessment (ISA) for Oxides of Nitrogen – Health Criteria (First External Review Draft, August 2007) and to conduct a consultation on the EPA’s Nitrogen Dioxide Health Assessment Plan: Scope and Methods for Exposure and Risk Assessment (September 2007 Draft).

October 24, 2007

8:30 a.m.	Welcome	Dr. Angela Nugent, EPA SAB Staff Office, Designated Federal Officer Dr. Vanessa Vu, EPA, SAB Staff Office
8:40 a.m.	Introduction of Members, Review of October 24th Agenda	Dr. Rogene Henderson, Chair
8:50 a.m.	Highlights of Draft ISA and Agency Charge Questions (Attachment A)	Dr. Ila Cote, EPA, National Center for Environmental Assessment-RTP
9:20 a.m.	First Public Comment Period Discussion and Response to Charge Questions	To be announced
9:35 a.m.	Agency Charge Question 1	Lead Discussants: <u>Dr. Armistead Russell</u> Dr. Ellis B. Cowling
10:15 a.m.	Agency Charge Question 2	Lead Discussants: <u>Dr. Christian Seigneur</u> Dr. Donna Kenski
10:55 a.m.	BREAK	
11:15 a.m.	Agency Charge Question 3	Lead Discussants: <u>Dr. Timothy Larson (by phone)</u> Dr. James Ultman (by phone)
12:00 p.m.	LUNCH	

1:00 p.m	Agency Charge Question 4	Lead Discussants: <u>Dr. Terry Gordon</u> Dr. Jonathan Samet (by phone) Dr. John Balmes (by phone) Dr. Ronald Wyzga
1:40 p.m	Agency Charge Question 5	Lead Discussants: <u>Dr. George Thurston</u> Dr. Jonathan Samet (by phone) Dr. Steven Kleeburger
2:20 p.m	Agency Charge Question 6	Lead Discussants: <u>Dr. James Crapo</u> Dr. Jonathan Samet (by phone) Dr. Ed Avol
3:00 p.m	BREAK	
3:20 p.m	Agency Charge Question 7	Lead Discussants: <u>Dr. Edward Postlethwait</u> Dr. James Ultman
4:00 p.m.	Agency Charge Question 8	Lead Discussants: <u>Dr. Douglas Crawford-Brown</u> Dr. Dale Hattis
4:40 p.m.	Summary of Major Review Comments and Recommendations Related to the ISA	Dr. Rogene Henderson
5:30 p.m.	Adjourn Meeting	Dr. Angela Nugent

October 25, 2007

8:30 a.m.	Reconvene the Panel Meeting	Dr. Angela Nugent
8:35 a.m.	Second Public Comment Period*	To be Announced
9:15 a.m.	Discussion of Chartered CASAC Acceptance of Major Points Related to the ISA	Chartered CASAC Members
9:45 a.m.	Next Steps Related to the ISA	Dr. Rogene Henderson
9:55 a.m.	Review of Agenda for Consultation on the Draft Nitrogen Dioxide Health Assessment Plan: Scope and Methods for Exposure and Risk Assessment	Dr. Rogene Henderson

* Members of the public wishing to provide short oral statement on the major review comments and recommendations related to the ISA during the October 25th public session are asked to contact the DFO in person or by email (nugent.angela@epa.gov) before 8 a.m. October 25th

Draft - October 10, 2007

10:00 a.m.	Highlights of the Draft Nitrogen Dioxide Health Assessment Plan	Dr. Scott Jenkins Dr. Stephen Graham Mr. Harvey Richmond EPA Office of Air Quality Planning and Standards
10:30 a.m.	BREAK	
11:00 a.m.	Members' Discussion and Deliberation – Air Quality	<u>Lead Discussants:</u> Dr. Ellis Cowling Dr. Donna Kenski Dr. Timothy Larson (by phone) Dr. Armistead Russell Dr. Christian Seigneur
11:45 a.m.	Members' Discussion and Deliberation – Exposure	<u>Lead Discussants:</u> Dr. Douglas Crawford-Brown Dr. Terry Gordon Dr. Lianne Sheppard (by phone) Dr. James Ultman (by phone)
12:30 P.M.	LUNCH	
1:30 p.m.	Members' Continued Discussion and Deliberation – Exposure	
2:15 p.m.	Members' Discussion and Deliberation – Health Risk Assessment	<u>Lead Discussants:</u> Dr. Ed Avol Dr. John R. Balmes (by phone) Dr. James Crapo Dr. Dale Hattis Dr. Steven Kleeburger Dr. Kent Pinkerton (by phone) Dr. Jonathan Samet (by phone) Dr. George Thurston Dr. Ronald Wyzga
3:30 p.m.	Summary and Next Steps	Dr. Rogene Henderson
3:30 p.m.	Adjourn the Meeting	Dr. Angela Nugent

Attachment A: Agency ISA Charge Questions

1. To what extent are the atmospheric chemistry and air quality characterizations clearly communicated, appropriately characterized, and relevant to the review of the primary NO₂ NAAQS?
2. Are the properties of ambient oxides of nitrogen appropriately characterized, including policy-relevant background, spatial and temporal patterns, and relationships between ambient oxides of nitrogen and human exposure?
3. Does the information in Chapter 2 provide a sufficient atmospheric science and exposure basis for the evaluation of human health effects presented in later chapters?
4. To what extent is the discussion and integration of evidence from the animal toxicology and controlled-exposure human experimental studies and epidemiologic studies, technically sound, appropriately balanced, and clearly communicated?
5. To what extent does the integration of health evidence focus on the most policy-relevant studies or health findings?
6. What are the views of the Panel on the conclusions drawn in the draft ISA regarding the strength, consistency, coherence and plausibility of NO₂-related health effects?
7. What are the views of the Panel on the appropriateness of public health impact and the characterization of groups likely to be susceptible or vulnerable to NO₂?
8. What are the Panel's views on the adequacy of this first external review draft ISA to provide support for future risk, exposure and policy assessments?