

Summary Minutes of the
Clean Air Scientific Advisory Committee
Ozone Review Panel
Public Teleconference
November 13, 2009

Committee Members: Dr. Jonathan Samet, Chair
Dr. Michelle Bell
Dr. Joseph Brain
Dr. Helen Suh
Dr. David Grantz
Dr. Ted Russell
Dr. Frank Speizer
Dr. Sverre Vedal
Dr. John Bailar
Dr. Jack Harkema
Dr. Peter Woodbury
Dr. Howard Neufeld
Dr. Judy Graham
Mr. Ed Avol
Dr. David Chock
Dr. Donna Kenski
Dr. Steven Kleeberger

Date and Time: November 13, 2009: 10:00 am – 12:00 pm

Purpose: The Clean Air Scientific Committee Review Panel (CASAC) reviewed draft *Integrated Review Plan for the Ozone National Ambient Air Quality Standard Review, Sept. 2009*.

SAB Staff: Dr. Holly Stallworth, Designated Federal Officer

Other EPA Staff: Lydia Wegman, Karen Martin, Bryan Hubbell, Harvey Richmond, Phil Lorang, Zach Pekar, Pradeep Rajan, Meredith Lassiter, Vicki Sandiford, Marc Pitchford, Tim Hanley, Neal Fann, Neil Frank, Beth Hassett-Sipple, Mary Ross, John Vandenberg, Lindsay Stanek, James Brown

Others: Ted Steichen, American Petroleum Institute
Justine Walters, Southern Company
Molly Davis, Inside EPA
Rachel Broadwin, OEHA - California
Julie Goodman, Gradient Corporation

Deborah Shprentz, American Lung Association
Heidi King, Office of Management and Budget*
Wig Zamore, Mystic View Task Force*
Kurt Blasé, Blasé Group*
John Jansen, Southern Company*
Bart Ostro, Cal-EPA*
Stuart Parker, Inside Washington Publishers*

** These individuals requested the phone number but did not participate or did not announce their participation in the teleconference.*

Meeting Summary

The discussion followed the issues and general timing as presented in the meeting agenda. The meeting agenda and public comments may be found at this URL:

<http://yosemite.epa.gov/sab/sabproduct.nsf/MeetingCal/3C85E466E760E6DF85257642005BFD4B?OpenDocument>

FRIDAY, NOVEMBER 13, 2009

Opening of Public Meeting

Dr. Holly Stallworth, Designated Federal Officer (DFO), opened the meeting with a statement that the CASAC Ozone Review Panel is a federal advisory committee whose meetings and deliberations meet the requirements of the Federal Advisory Committee Act. Dr. Samet reviewed the agenda and purpose of the meeting.

Ms. Lydia Wegman of EPA's Office of Air Quality Planning and Standards presented the schedule for the Ozone National Ambient Air Quality Standards (NAAQS) review (shown on page 14 of the IRP). Ms. Wegman also explained that the court-ordered reconsideration of the ozone NAAQS standard issued in March of 2008 would proceed on a separate track from this panel's charge and would be based on the science captured in the 2006 Air Quality Criteria Document (AQCD). By contrast, the current review would include scientific evidence made available since the publication of the 2006 AQCD.

Dr. Samet walked the panel through a discussion of the IRP, beginning with Chapter 3 on Key Policy-Relevant Issues. Panelists stressed the need for EPA to carefully handle the issue of related photochemical oxidants and to include information on ultraviolet radiation (UVB). Panelists mentioned a lack of clarity on how multipollutant issues would be handled.

In reference to Chapter 4 on the Science Assessment and Chapter 5 on Human Health Risks, one panelist asked for a summary of the last review. Another panelist raised the issue of possible metabolic effects of ozone. The need to consistently define

“susceptible” and “vulnerable” was stressed. Panelists discussed the cutpoint of 1 ppm wherein studies were included or excluded, asking that this decision be justified. One panelist expressed a concern about possibly insufficient attention given to older studies since the focus of this review was on evidence that has become available since the 2006 Air Quality Criteria Document for ozone. Panelists discussed the difficulty of estimating a policy relevant background and requested a clearer explanation of how this calculation would be accomplished. Other topics considered included: the use of central ozone monitors and the relationship of the central site data to personal exposures, the differences in mechanisms between acute and chronic effects, the differences between individual dose-response models and population dose-response models, and how cities with different patterns of ozone concentrations would be handled.

With respect to Chapter 6 on Vegetation, there was emphasis on the need to broadly define climate effects to include not just the effects of ozone on vegetation but the effects of vegetation on carbon sequestration. On the subject of climate effects, representatives from EPA described the difficulties of using global scale modeling to capture the effects of ozone in the U.S. In response to this comment, a panelist remarked that some plant-atmosphere interactions are regional and unique to the U.S.

In concluding the meeting, Dr. Stallworth said that a pro forma letter to the Administrator would be transmitted reporting that the panel had conducted a telephone consultation on the IRP. Individual comments would be attached to this letter and were due to Dr. Stallworth by November 20, 2009.

Respectfully Submitted:

Holly Stallworth, Ph.D. /s/
Designated Federal Officer

Certified as True:

Jonathan Samet, M.D., M.S. /s/
Chair

NOTE AND DISCLAIMER: The minutes of this public meeting reflect diverse ideas and suggestions offered by Committee member during the course of deliberations within the meeting. Such ideas, suggestions and deliberations do not necessarily reflect consensus advice from the panel members. The reader is cautioned to not rely on the minutes to represent final, approved, consensus advice and recommendations offered to the Agency. Such advice and recommendations may be found in the final advisories, commentaries, letters or reports prepared and transmitted to the EPA Administrator following the public meetings.