

**Summary Minutes of the
U.S. Environmental Protection Agency
Clean Air Scientific Advisory Committee (CASAC)
Public Teleconference
May 12, 2011
9:00am – 11:00am**

CASAC Members: Dr. Jonathan Samet, Chair
Dr. Ted Russell
Dr. Joe Brain
Dr. Helen Suh
Dr. Kathleen Weathers
Mr. George Allen
Dr. Christopher Frey

Panelists: Dr. Praveen Amar
Dr. Ellis Cowling

Purpose: To review two draft letters: Advice on *Policy Assessment for the Review of the Secondary National Ambient Air Quality Standard for NO_x and SO_x (February 2011)* and Review of EPA's *Draft Documents on Monitoring and Methods for Oxides of Nitrogen (NO_x) and Sulfur (SO_x)*

Designated Federal Officer: Dr. Holly Stallworth, Designated Federal Officer

Other EPA Staff: Karen Martin, Rich Scheffe, Randy Wade, Ginger Tennant

Public: John J. Jansen (Southern Company), Linda Wilson (NY Attorney General's Office), Lou Pocalujka (Consumers Energy, Jackson, Michigan), Tom Downs (Maine Department of Environmental Protection), George Deeling (Shell Upstream)

Meeting Materials and Meeting Webpage:

The materials listed below may be found on the meeting webpage at:

<http://yosemite.epa.gov/sab/sabproduct.nsf/bf498bd32a1c7fdf85257242006dd6cb/448cec2e9f4ceba485257853004989e1!OpenDocument&Date=2011-05-12>

- Agenda
- Federal Register Notice
- Draft Reports:
 - Advice on the *Policy Assessment for the Review of the Secondary NAAQS for Oxides of Nitrogen and Oxides of Sulfur (Feb. 2011)*
 - Review of EPA's *Draft Documents on Monitoring and Methods for Oxides of Nitrogen (NO_x) and Sulfur (SO_x)*

Meeting Summary

The discussion followed the plan presented in the meeting agenda.

THURSDAY, MAY 12, 2011

Dr. Stallworth convened the meeting and explained that CASAC operates under the Federal Advisory Committee Act. Dr. Samet asked Dr. Russell to summarize the discussion of the Air Monitoring and Methods Subcommittee (AMMS) regarding EPA's draft documents on monitoring and methods for NO_x and SO_x. With respect to the AMMS letter, Dr. Russell stated that AMMS felt that more scrutiny was needed for the modeling approaches in addition to the monitoring approaches. Given that EPA uses the Community Multi-Scale Air Quality (CMAQ) model's transference ratios (similar to deposition velocities) as part of its proposed monitoring, additional model evaluation was needed to ensure that it was yielding accurate estimates. CASAC members had no requests for edits on the AMMS letter.

In discussing the *Policy Assessment* letter from the Oxides of Nitrogen and Sulfur Oxides Secondary NAAQS Review Panel, Dr. Russell explained that the February 15 – 16, 2011 meeting was held as the behest of CASAC. The Panel did not respond to charge questions from EPA; rather it offered additional advice on the indicator, form, averaging time and level for a proposed NO_x-SO_x secondary NAAQS. Dr. Russell told members that the final *Policy Assessment* was a big improvement over previous versions. Dr. Samet expressed a concern about the equivocal language in the next-to-last paragraph (e.g. the use of the word “however” after the sentence supporting EPA's proposed ranges of the indicator, form, averaging time and level). In response, panelists agreed to change the paragraph so that CASAC's concerns about EPA's uncertainty analysis and selection of percentiles of waterbodies was relegated to a separate paragraph that would not weaken the Panel's support for a proposed NAAQS.

Before adjourning, Dr. Stallworth said the *Policy Assessment* letter would be immediately revised to incorporate the discussion and that both letters would be processed in the SAB Staff Office that same day.

On Behalf of the Committee,
Respectfully Submitted,

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

Certified as True:

Jonathan Samet, M.D. /s/
Chair, Clean Air Scientific Advisory Committee
Sulfur Oxides Primary NAAQS Review Panel

NOTE AND DISCLAIMER: The minutes of this public meeting reflect diverse ideas and suggestions offered by committee members during the course of deliberations within the meeting. Such ideas, suggestions, and deliberations do not necessarily reflect definitive consensus advice from the panel members. The reader is cautioned to not rely on the minutes 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