

**Summary Minutes of the  
U.S. Environmental Protection Agency  
Clean Air Scientific Advisory Committee (CASAC)  
Public Teleconference  
November 8, 2010  
10:00 am – 1:00 pm, Eastern Time**

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

Air Monitoring & Methods Subcommittee Members (AAMMS): Mr. Dirk Felton, Mr. Rich Poirot, Dr. Philip Hopke

Purpose: CASAC amended and approved draft letters on “Near-road Guidance Document – Outline” and “Near-road Monitoring Pilot Study Objectives and Approach” (October 19, 2010 draft) and "Approach for the Development of a New Federal Reference Method for Lead in Total Suspended Particulates" (October 22, 2010 Draft)

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

Other EPA Staff: Lew Weinstock, Neilson Watkins, Joann Rice, Casey Kovalcik, Bob Vanderpool

Public: Victoria Martinez (Federal Highway Administration), Frank Weber (RTI), Andrew Childresn (Daily Environment Report), Bill Peters (Argus Media), Wig Zamore (Somerville, MA), Jennifer Haynes (Maryland Department of Environment), Joette Steger (North Carolina Division of Air Quality), Steve Mausch (Weston Solutions), John Jansen (Southern Company), Doug Austin (Institute of Clean Air Companies), Bridget DiCosmo (Risk Policy Report), Charles Davis (North Carolina Department of Environment and Natural Resources)

Meeting Summary

The discussion followed the issues and general timing as presented in the meeting agenda. The agenda, Federal Register Notice and draft CASAC letters may be found posted on the CASAC website at <http://yosemite.epa.gov/sab/sabproduct.nsf/bf498bd32a1c7fdf85257242006dd6cb/79846bba66e268e28525778f0053725f!OpenDocument&Date=2010-11-08>.

**MONDAY, NOVEMBER 8, 2010**

Opening of Public Meeting

Dr. Stallworth convened the meeting and explained that CASAC operates under the Federal Advisory Committee Act. Dr. Samet reviewed the agenda.

Mr. Wig Zamore of the Somerville Transportation Equity Partnership (STEP) was the first public speaker. Mr. Zamore said it was important to have monitors that measure both NO<sub>2</sub> and NO because near-road environments can be affected by ozone that can limited the formation of NO<sub>2</sub>. Mr. Zamore encouraged EPA to think about monitoring for ultrafine particles for both speciation and component analysis.

Dr. Doug Brugge of Tufts University seconded Mr. Zamore's call for monitoring of ultrafine particles and called for national research to test the health effects of ultrafines.

Dr. Ted Russell, Chair of the Ambient Monitoring and Methods Subcommittee, walked the members through the October 22, 2010 draft letter on EPA's White Paper, "Approach for the Development of a New Federal Reference Method for Lead in Total Suspended Particles (Pb-TSP)". CASAC members were in agreement with letter, making only one request to strengthen the call for field studies to assess the use of Pb-PM<sub>10</sub> to make comparisons to Pb-TSP.

Dr. Russell then walked the members through the October 19, 2010 draft letter on "Near-road Guidance Document – Outline" and "Near-road Monitoring Pilot Study Objectives and Approach." Members discussed the possible tradeoffs in priorities that may face EPA as it attempts to build a multi-pollutant monitoring network given that the siting for one pollutant may differ from siting criteria for another pollutant. One member requested a comment be added to the letter describing the sparseness of the review documents. Members agreed that CASAC's comment on the timing of the proposed network should be separated from CASAC's comments on the technical aspects of monitoring, e.g. the use of a "true" NO<sub>2</sub> monitor. A few edits were suggested for the responses to charge questions. One member thought 1, 3-Butadiene should be included among the volatile organic compounds that EPA might consider for monitoring. Another member requested a clarification to note that the transition to cleaner diesel vehicles may have the effect of increasing the ratio of NO<sub>2</sub> to NO<sub>x</sub>. With respect to CASAC's definition of an "urban street canyon," members agreed to add a sentence suggesting that other disciplines be consulted for this definition.

At the conclusion of the teleconference, Dr. Stallworth pledged to work with Drs. Russell and Samet to make revisions to the letter and circulate it to CASAC and AAMMS members for final concurrence.

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.