

**U.S. Environmental Protection Agency
Clean Air Scientific Advisory Committee (CASAC)**

**Summary Meeting Minutes of CASAC
Public Advisory Teleconference Meeting**

**Monday, August 18, 2008 – 1:00 to 4:00 p.m. Eastern Time
SAB Staff Office, Washington DC**

**Advisory Meeting to Review and Approve the Draft Report from the CASAC
Ambient Air Monitoring & Methods (AAMM) Subcommittee's July 2008 Peer
Review of the Draft Federal Reference Method (FRM) for Lead in Particulate
Matter Less than 10 Micrometers in Diameter (Pb-PM₁₀)**

Panel Members: See CASAC Roster – Appendix A

Agenda: See Meeting Agenda – Appendix B

Purpose: The purpose of this public teleconference meeting was for the statutory (chartered) Clean Air Scientific Advisory Committee (CASAC or Committee) to review and approve the draft report from the CASAC Ambient Air Monitoring & Methods (AAMM) Subcommittee's July 2008 peer review of the draft Federal Reference Method (FRM) for Lead in Particulate Matter less than 10 micrometers in diameter (Pb-PM₁₀)

Attendees:

Chair:	Dr. Rogene Henderson
CASAC Members:	Dr. James Crapo Dr. Douglas Crawford-Brown Dr. Donna Kenski Dr. Armistead (Ted) Russell
AAMMS Members:	Mr. Henry (Dirk) Felton Mr. Richard Poirot Dr. Barbara Zielinska
EPA SAB Staff:	Mr. Fred Butterfield, Designated Federal Officer (DFO), CASAC
Other EPA Staff:	Mr. Kevin Cavender, OAR, OAQPS Mr. Tim Hanley, OAR, OAQPS Mr. Marc Houyoux, OAR, OAQPS Dr. Surender Kaushik, ORD, NERL Mr. Lewis Weinstock, OAR, OAQPS Dr. Robert Vanderpool, ORD, NERL

Meeting Summary

The discussion followed the sequence as presented in the meeting agenda (Appendix B).

Convene Meeting, Call Attendance, Introduction and Administration

Mr. Fred Butterfield, Designated Federal Officer (DFO) for the Clean Air Scientific Advisory Committee, opened the teleconference meeting, called attendance, and welcomed all attendees. He noted the CASAC is a Federal Advisory Committee chartered under the Federal Advisory Committee Act (FACA) to provide advice and recommendations to the EPA Administrator. Consistent with FACA regulations, the deliberations of CASAC are held as public meetings and teleconferences for which advance notice is given in the *Federal Register*. The DFO is present at all such meetings to assure compliance with FACA requirements. He mentioned that there were no individuals who had registered with him in advance to provide oral public comments during today's teleconference. Mr. Butterfield said a transcript of this teleconference is not being taken. However, summary meeting minutes were taken (by the DFO) for this teleconference. These minutes will be certified by the CASAC Chair, Dr. Rogene Henderson, and posted on the CASAC Web Site (<http://www.epa.gov/casac>) within 90 days after this meeting.

Purpose of Meeting and Welcome

Dr. Henderson, Chair of the CASAC, welcomed her fellow Committee members and briefly stated the purpose of the meeting (see above).

Public Comment Period

(There were no public commenters during this teleconference.)

Overview of Draft Report from CASAC NO_x & SO_x Secondary NAAQS Review Panel, and Summary of the CASAC's Discussion on Subcommittee's Draft Report

Dr. Ted Russell, Chair of the CASAC Ambient Air Monitoring & Methods (AAMM) Subcommittee, gave a brief overview of the draft letter/report from the Subcommittee's July 14, 2008, peer review of EPA's draft FRM for Lead in PM₁₀ (Pb-PM₁₀). In particular, he noted that the CASAC, in its letter dated July 18, 2008 (EPA-CASAC-08-016), had clarified its previous recommendation (EPA-CASAC-08-007, January 22, 2008) concerning transitioning the sampling indicator for lead from total suspended particulate (TSP) to a low-volume ambient air monitor for Pb-PM₁₀. Specifically, the CASAC had stated in its July 2008 letter that, if the level of the revised lead NAAQS approaches the upper end of the range that the Agency is considering in its May 20, 2008 Notice of Proposed Rulemaking (NPR), then the current TSP indicator should *not* be changed. Dr. Russell noted that the AAMM Subcommittee reiterated CASAC's position in its draft letter concerning its review of the FRM for Pb-PM₁₀.

Dr. Russell then went through the Subcommittee's draft responses to each of the five (5) charge questions from EPA staff for this peer review of the FRM for Pb-PM₁₀ (which are found not only in the body of the draft letter but also in Enclosure C of the draft report), pausing to allow any questions from members of the CASAC. Only one question was raised during Dr. Russell's brief

of the draft letter, with one Committee member asking whether the level and form of the final Lead NAAQS was determinative of the analytical method that should be selected for the FRM — in other words, whether one analysis method would be better for a higher (*i.e.*, less stringent) level of the final Pb NAAQS while another would be superior for a lower (more stringent) level of the Lead standard, or whether a given method was preferable regardless of the final level of the NAAQS for Lead. Dr. Russell noted that, while there were certainly advantages and disadvantages to each of the analytical methods under consideration, selection would ultimately depend upon the Agency's data quality objectives (DQOs) for Lead monitoring, which are still under development. Another Committee member felt that the draft letter was very clear and well done, a position that was shared by the CASAC Chair.

Dr. Henderson then asked if members of the statutory Committee had any objections to the CASAC approving this draft letter/report to the Administrator pursuant CASAC AAMM Subcommittee's July 2008 peer review of the draft FRM for Pb-PM₁₀. Committee members voiced no objections, and the CASAC Chair noted that the Committee approved the draft letter/report.

Mr. Butterfield briefly noted that there were several minor (non-substantive) changes to the report that he and the Subcommittee chair had discussed prior to the teleconference, to which CASAC members had no objections.

EPA staff thanked the CASAC and the AAMM Subcommittee for their timely, expert advice to this Agency in this peer review of the FRM for Pb-PM₁₀.

Summary and Next Steps

Dr. Henderson thanked the members of the CASAC and the Subcommittee for their participation on this teleconference. Mr. Butterfield also thanked the members, as well as Agency staff, after which the DFO adjourned the meeting at approximately 1:30 p.m.

Respectfully Submitted:

Certified as True:

/s/

/s/

Fred A. Butterfield, III

Rogene F. Henderson, Ph.D.

Fred A. Butterfield, III
CASAC DFO

Rogene F. Henderson, Ph.D.
CASAC Chair

Date: August 19, 2008

Appendix A – Clean Air Scientific Advisory Committee Roster

U.S. Environmental Protection Agency Science Advisory Board (SAB) Staff Office Clean Air Scientific Advisory Committee (CASAC)

CHAIR

Dr. Rogene Henderson, Scientist Emeritus, Lovelace Respiratory Research Institute, Albuquerque, NM

MEMBERS

Dr. Ellis Cowling, University Distinguished Professor At-Large, Emeritus, Colleges of Natural Resources and Agriculture and Life Sciences, North Carolina State University, Raleigh, NC

Dr. James D. Crapo [M.D.], Professor, Department of Medicine, National Jewish Medical and Research Center, Denver, CO

Dr. Douglas Crawford-Brown, Professor Emeritus, Department of Environmental Sciences and Engineering, University of North Carolina at Chapel Hill, Chapel Hill, NC, Cambridge, England

Dr. Donna Kenski, Data Analysis Director, Lake Michigan Air Directors Consortium (LADCO), Rosemont, IL

Dr. Armistead (Ted) Russell, Georgia Power Distinguished Professor of Environmental Engineering, Environmental Engineering Group, School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA

Dr. Jonathan Samet [M.D.], Professor and Chairman, Department of Epidemiology, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD

SCIENCE ADVISORY BOARD STAFF

Mr. Fred Butterfield, CASAC Designated Federal Officer, 1200 Pennsylvania Avenue, N.W., Washington, DC, 20460, Phone: 202-343-9994, Fax: 202-233-0643 (butterfield.fred@epa.gov)

Appendix B – Meeting Agenda

U.S. Environmental Protection Agency Clean Air Scientific Advisory Committee (CASAC)

Public Advisory Teleconference Meeting

Monday, August 18, 2008 – 1:00 to 4:00 p.m. Eastern Time

Advisory Meeting to Review and Approve the Draft Report from the CASAC Ambient Air Monitoring & Methods (AAMM) Subcommittee's July 2008 Peer Review of the Draft Federal Reference Method (FRM) for Lead in Par- ticulate Matter Less than 10 Micrometers in Diameter (Pb-PM₁₀)

Meeting Agenda

1:00 p.m.	Convene teleconference; call attendance; introductions and administration	Mr. Fred Butterfield, CASAC DFO
1:10 p.m.	Purpose of meeting	Dr. Rogene Henderson, Chair
1:15 p.m.	Public comment period	Mr. Butterfield (Facilitator)
1:30 p.m.	Overview of draft report from CASAC AAMM Subcommittee's July 2008 peer review of EPA's draft FRM for Pb-PM₁₀	Dr. Armistead (Ted) Russell, Chair, CASAC AAMM Subcommittee
2:00 p.m.	Members' discussion and deliberations	CASAC members
3:45 p.m.	CASAC approval of draft report	Dr. Henderson, CASAC members
4:00 p.m.	Adjourn meeting	Mr. Butterfield