

**Minutes of the
U.S. Environmental Protection Agency
Science Advisory Board (SAB)
Hypoxia Advisory Panel (HAP)
Public Teleconference
August 1, 2007**

Committee Members: Dr. Virginia Dale
Dr. Hans Paerl
Dr. Bill Crumpton
Dr. Mark David
Dr. Richard Lowrance
Dr. Clifford Snyder
Dr. Denis Gilbert
Dr. Walter Boynton
Dr. Andrew Sharpley
Dr. Don Wright
Dr. James Opaluch
Dr. Kyle Mankin
Dr. Tom Simpson
Dr. Alan Blumberg
Dr. Bob Howarth
Dr. James Sanders
Dr. Cathy Kling

Date and Time: August 1, 2007, 2:00 – 5:00pm

Purpose: The Hypoxia Advisory Panel will discuss its Draft Advisory.

SAB Staff: Dr. Holly Stallworth, Designated Federal Officer

Other EPA Staff: Darrell Brown, John Wilson

Other: Janice Ward, U.S. Geological Survey
Michelle Perez, Environmental Working Group
Dean Lemke, Iowa Department of Agriculture and Land Stewardship
James Baker, Iowa Department of Agriculture and Land Stewardship
Cynthia Finley, National Association of Clean Water Agencies

Mark Tomasek, Minnesota Pollution Control
Wayne Anderson, Minnesota Pollution Control
Mike Sullivan, USDA Natural Resource Conservation
Service
Jim Ammerman, Rutgers University
Mark Peters, U.S. Department of Agriculture
Susan Heathcote, Iowa Environmental Council
Matt Rota, Gulf Restoration Network
Jeff Grimes, Gulf Restoration Network,
Matt Schiltz, Metropolitan Water Reclamation of Greater
Chicago
Jain Heng, Metropolitan Water Reclamation of Greater
Chicago
Nancy Rabalais, Louisiana Universities Marine Consortium
Eugene Turner, Louisiana State University
Dennis McKenna, Illinois Department of Agriculture
Bill Hunley, Hampton Roads Sanitation District

Meeting Summary

The discussion followed the issues and general timing as presented in the meeting agenda. Dr. Stallworth convened the meeting and explained the SAB Hypoxia Advisory Panel will operate under the Federal Advisory Committee Act. Dr. Dale reviewed the agenda.

Dr. Dale then led the HAP in a discussion of the Draft Advisory posted 7-24-07, beginning with Chapter 4, Section 4.5 and ending with Chapter 4, Section 4.5.8. With each successive section, panelists were asked to describe what revisions, if any, were made since the New Orleans meeting (June 13-15, 2007) and what revisions still need to be made in light of the public comments posted at http://www.epa.gov/sab/panels/hypoxia_adv_panel.htm.

In discussing the various sections of Chapter 4, panelists touched on issues including: the puzzle of Total Kielhdahl Nitrogen (TKN) going down, while Total Phosphorus (TP) was going up, the relationship between agricultural management options and effects on greenhouse gases, the effectiveness of fall fertilizer application in reducing nitrogen losses, the relationship between fertilizer use and yields and the effects of fertilizer use on soil organic carbon.

Public comments were offered by Dean Lemke of the Iowa Department of Agriculture and Land Stewardship (IDALS), Jim Baker, a consultant to IDALS, and Susan Heathcote of the Iowa Environmental Council.

The following section summarizes action items from the teleconference.

Action Items from Teleconference:

- Dr. Crumpton was assigned to revise Section 4.5.2 on Freshwater Wetlands.
- Dr. Lowrance was assigned to revise Section 4.5.3 on Conservation Buffers.
- Dr. Sharpley was assigned to revise Section 4.5.4 on Cropping Systems.
- Dr. Sharpley was assigned to revise Section 4.5.5 on Animal Production Systems.
- Dr. Snyder was assigned to revise Section 4.5.6 on In-Field Nutrient Management.
- Dr. Simpson will revise Section 4.5.8 on Point Sources.
- All panelists will submit information on missing references.
- All panelists will submit suggested changes to the Executive Summary.

On Behalf of the Panel,
Respectfully Submitted,

/Signed/

Holly Stallworth, Ph.D.
Designated Federal Officer

Certified as True:

/Signed/

Virginia Dale, Ph.D.
Chair, Hypoxia Advisory Panel

