

**Minutes of the
U.S. Environmental Protection Agency
Hypoxia Advisory Panel
Teleconference
April 16, 2007**

Committee Members: Dr. Virginia Dale
Dr. Judy Meyer
Dr. Bill Crumpton
Dr. Mark David
Dr. Richard Lowrance
Dr. Clifford Snyder
Dr. Walter Boynton
Dr. Andrew Sharpley
Dr. James Opaluch
Dr. Kyle Mankin
Dr. Tom Simpson
Dr. Ken Reckhow
Dr. Cathy Kling

Date and Time: 1:00 – 3:30pm, April 16, 2007

Purpose: Hypoxia Advisory Panel members of Subgroup 2 on Sources, Fate and Transport and Subgroup 3 on Goals and Management Options will discuss their sections of the draft report.

SAB Staff: Dr. Holly Stallworth, Designated Federal Officer
Dr. Thomas Armitage, Designated Federal Officer
Mr. David Wangsness, U.S. Geological Survey, Designated Federal Officer

Other: Larry Antosch, Ohio Farm Bureau

Attachment: Agenda

Meeting Summary

The discussion followed the issues and general timing as presented in the meeting agenda. Dr. Stallworth convened the meeting and explained the Hypoxia Advisory Panel (HAP) will operate under the Federal Advisory Committee Act. Following this introduction, the

meeting was turned over Dr. Meyer, leader of the Hypoxia Advisory Panel's Subgroup on Sources, Fate and Transport of Nutrients, who discussed her group's section of the draft report.

Members offered feedback on the modeling section and asked for several clarifications.

New information from the U.S. Geological Survey (USGS) on nutrients coming from particular sub-basins of the Mississippi Atchafalaya River Basin (MARB) was presented and discussed. Members commented on possible differences between the new information on sub-basins from the USGS and recent analyses of the Net Anthropogenic Nitrogen Input (NANI) for the MARB. The new USGS data was said to show the relative unimportance of the Missouri watershed vis-à-vis the upper Mississippi. One member summarized the sources of nitrogen as the result of three things: corn, soybeans and tile.

Members discussed the point source section of the draft report in terms of potential recommendations on point sources, with one member expressing some concern about recommending extremely tight limits on point source emitters.

Members discussed the need to incorporate adaptive management throughout the report, and in particular, whether a separate section on adaptive management should be developed. Some members volunteered to discuss a possible new section on adaptive management in a subsequent phone call.

Members discussed the tone and style of language that would be appropriate in recommendations.

The following action items were agreed upon:

1. Dr. Mankin will edit his section on modeling. .
2. Dr. David will revise his new section on sub-basin loads.
3. Dr. Crumpton will provide a paragraph on freshwater wetlands.
4. Dr. Simpson and Dr. David will check the numbers for N and P from point sources.
5. Dr. Simpson will put 3 or 4 lines together to add to Dr. Kling's text.
6. Dr. Kling will re-write recommendations to make tone more science-based.
7. Dr. Crumpton will e-mail Kling comments about the tile drainage section .
8. Dr. Simpson will discuss with Howarth comments on the N and P reduction goals.
9. Dr. Snyder will re-write (or add paragraph) in section on precision ag management tools to discuss P as well as N.
10. Dr. Sharpley will revise table on magnitude of effects of conservation practices.
11. New section on adaptive management will be discussed with Drs. Simpson, Crumpton, Dale, Lowrance, Mankin and Sharpley 4-19-07. Dr. Stallworth will send out an e-mail to the volunteers for this task.
12. Dr. Meyer will condense the section on ethanol, moving some of the material to an Appendix.

Writing assignments are due to Holly Stallworth by April 23.

On Behalf of the Panel,
Respectfully Submitted,

Holly Stallworth, Ph.D.
Designated Federal Officer

Certified as True:

Judy Meyer, Ph.D.
Subgroup Chair, Hypoxia Advisory Panel