



Scientific and Technical Advisory Committee
June 3, 2008
Sheraton Hotel, Annapolis, MD
Quarterly Meeting Agenda

June 3

8:00 AM Continental Breakfast

8:30 AM Welcome and Introductions.....Lipton

- Introductions
- Approval of March Quarterly Meeting minutes
- Announcements

8:45 AM Phase 5 Model Review.....Mostaghimi/Shenk /Voinov

Background: In January 2008, STAC conducted a second review of the Phase V Chesapeake Bay Watershed Model to assess model development and provide guidance and recommendations for the application of Phase V to large scale regional problems and to small scale TMDL issues. In March, Saied Mostaghimi, Virginia Tech, provided an overview of the review panel's recommendations, which are summarized in a report accessible on the STAC website.

- Saied Mostaghimi will briefly review the STAC Phase 5 Watershed Model Peer Review recommendations.
- Gary Shenk, EPA-CBPO, will update the membership on the status of Phase 5 Watershed Model progress to date and will discuss the Bay Program's plans or progress in developing smaller scale versions of the watershed model.
- Alexey Voinov, CRC and Chesapeake Community Modeling Program (CCMP) Coordinator, will provide an overview of the CCMP Symposium.

10:00 AM TMDL Process and Watershed Management Strategies.....Benham

Dr. Brian Benham is an Associate Professor and Extension Specialist in Biological Systems Engineering at Virginia Tech. He serves as the director of the Center for TMDL and Watershed Studies at Virginia Tech. The Center conducts integrated research and extension/outreach programs designed to advance the science, tools, and expertise available for developing, evaluating, and implementing watershed planning and watershed management processes. The objective of this presentation is to provide background about the nation's TMDL program and illustrate a range of watershed management challenges and opportunities by presenting a TMDL development and TMDL implementation planning case study.

10:30 AM Overview of MD Nutrient Trading Programs.....Rhoderick

Background: In December 2007, the National Sea Grant Law Center completed a STAC white paper assessing the legal issues and challenges surround Pennsylvania's nutrient trading program. Subsequent discussion spurred interest in other nutrient trading programs, particularly those under development by Virginia and Maryland. Development of similar STAC guidance

documents for these and other states are underway. An update on Virginia's nutrient trading program was given in December.

- John Rhoderick, MDA, will update the membership on Maryland's Nutrient Trading Program.

11:00 AM NOAA Oxford Lab Update.....Wood

Background: At the March 2007 STAC quarterly meeting, Peyton Robertson, director of the NOAA Chesapeake Bay Office, updated STAC on NCBO activities and future plans. A request was made for a similar update on NOAA Oxford Laboratory (NOL) activities.

- Bob Wood, NOAA Oxford Laboratory director, will update the membership on the NOL's activities and future plans.

11:30 AM Update on Chesapeake Bay Commission.....Swanson

Background: "The Chesapeake Bay Commission is a policy leader in the restoration of the Chesapeake Bay. As a tri-state legislative assembly representing Maryland, Virginia, and Pennsylvania, the Commission's leadership covers a full spectrum of Bay issues: from managing living resources and conserving land, to protecting water quality. By combining its unique access to both the legislative and executive branches of each Bay state with well-honed skills in research, policy-development and consensus building, the Commission has achieved consistently strong and effective results in pursuit of Bay restoration goals." (www.chesbay.state.va.us/)

- Ann Swanson, director of the Chesapeake Bay Commission, will update the committee on CBC activities.

12:15 PM LUNCH

1:15 PM Using Science and Decision Analysis to Set Water Quality Standards.....Kenney

Melissa Kenny, John Hopkins University, will present her work using environmental decision analysis. One question states struggle with is how to set water quality standards; this is particularly difficult for eutrophication control since different levels of nutrients cause different water body responses. Kenney and colleagues at Duke University's Nicholas School of the Environment and Earth Sciences developed a two-step procedure to set nutrient criteria for reservoirs in North Carolina to (1) determine the most predictive measured variables using predictive linear models, and (2) to assess the optimal variable level using multi-attribute utility analysis.

2:15 PM Chesapeake Bay Program Update.....Batiuk

Rich Batiuk will update the committee on ongoing Chesapeake Bay Program activities and reorganization efforts.

2:45 PM BREAK

3:00 PM FY08 Workshop Proposals (see briefing materials to review proposals)

Background: STAC reserves up to \$40,000 for funding responsive and proactive workshops each year. Proposals are submitted by STAC members and CBP subcommittees and are

evaluated on their individual merit by the STAC membership. Each approved workshop must use their allocated money with their funded fiscal year (June 1 – May 31).

- An Economic Analysis of Agricultural Conservation Practices within the Chesapeake Bay Watershed: Mark Dubin
- Evaluating Phosphorus Index Effectiveness within the Chesapeake Bay Watershed: Mark Dubin
- Maximizing Cover Crop Efficiency: Better Defining Research and Implementation: Mark Dubin

4:15 PM Climate Change Presentation.....Najjar

Background: With the completion of the STAC climate change white paper in the spring of 2008, the membership discussed development of an accompanying presentation to visually summarize the paper’s findings and recommendations for a broader, lay-oriented audience. Members are encouraged to use the presentation to disseminate STAC’s climate change recommendations within and outside the Chesapeake Bay community.

- Ray Najjar, PSU and co-editor of the STAC climate change white paper, will present the climate change presentation to the membership.

4:45 PM Workshop, Workgroup, and Review Updates:

- EDC Workshop: Greg Allen
- Nutrient Trading Workshop: Doug Parker
- Chesapeake Bay Land Change Model Review: Liz Van Dolah
- Monitoring Review: Denice Wardrop/Kirk Havens
- Oyster EIS Review: Denise Breitburg/Lisa Wainger

5:30 PM ADJOURN