CheMS08: Workshop 3
TMDL-Related Watershed Modeling
Tuesday, May 13, 9:30 – 5:30

Organizer: Gary Shenk - EPA / Chesapeake Bay Program

Room: Coastal West

Description:

The states intersecting the Chesapeake Bay watershed all have a long list of TMDLs that must be addressed, many of which will require freshwater hydrologic and water quality modeling. There is currently no regional organized forum for exchange of ideas among TMDL model practitioners. Presentations will be solicited from representatives of state governments, universities, and private firms. The outcome of this workshop will be a comparison of the approaches taken and the sharing of ideas and technologies.

Schedule

9:30 – 9:40 – Introduction and Goals
Gary Shenk

9:40 – 10:00 – Watershed Modeling for the Chesapeake Bay TMDLs
Gary Shenk

10:00 – 10:30 - Watershed Management Research, Education, and Outreach Program: the Center for Watershed Studies at Virginia Tech
Brian Benham, Gene Yagow, Kevin Brannan

10:30 – 11:00 - Transport and Fate Model for PCB Total Maximum Daily Loads (TMDLs) in the Potomac River Estuary
Victor Bierman, Scott Hinz, Daniel Rucinski, Carlton Haywood, Claire Buchanan, Andrea Nagel

11:00 – 11:30 – Break

11:30 – 12:00 – A Discussion on the Development and Results of Model Scenarios to Evaluate Non-Point Source Nutrient Loads as Part of a TMDL Implementation Plan
Mary Searing, Hala Flores, Rick Fisher

12:00 – 12:30 - MDAS Application to pH TMDL Development for the Youghiogheny River, Maryland
Andrew Parker

12:30 – 1:00 – GISHydro: An Interface to the EPA Chesapeake Bay Program Model for Small Scale Nutrient/Sediment Loading Estimates
Sarah Ahmed, Glenn Moglen

1:00 – 2:00 – Lunch

2:00 – 2:30 – Understanding and Estimating HSPF's IQUAL and PQUAL Parameters
Kaye Brubaker, Ross Mandel, Andrea Nagel

2:30 – 3:00 – Water Quality Calibration Criteria For Bacteria TMDL Development
Brian Benham, Sang Min Kim, Kevin Brannan, Gene Yagow, Becky Zeckoski

3:00 – 3:30 – Introduction of discussion questions and poster session

3:30 – 4:00 – Break

4:00 – 5:30 - Discussion