Modeling Workgroup Meeting

June 15, 2017
CBPO Room 305A
410 Severn Avenue Annapolis, MD 21403
For Remote Access:
Adobe Connect: https://epawebconferencing.acms.com/modeling (enter as guest)
Conference Line: 866-299-3188 Code: 267-5715
Event webpage: http://www.chesapeakebay.net/calendar/event/25164

1:00 Announcements and Amendments to the Agenda – Lee Currey, MDE and Dave Montali, WVDEP

1:05 Phase 6 Roll Out and Status of Phase 6 Review Period – Gary Shenk, USGS
The status of the Phase 6 roll out on June 1 and the status of the Phase 6 Review period and comments will be discussed.

1:30 Final Phase 6 – Gopal Bhatt, Penn State
The final steps in the Phase 6 calibration will be reviewed and the overall assessment of the quality of the Phase 6 calibration will be discussed.

2:00 Atmospheric Deposition Loads of Nitrogen to the Chesapeake Watershed and Tidal Waters – Kyle Hinson, Chesapeake Research Consortium
The estimated wet, dry, and total nitrogen atmospheric deposition loads to the Chesapeake watershed and tidal waters will be reviewed for the 1985 to 2013 calibration period and for the CMAQ scenarios of 2017, 2025, 2030, and 2050.

2:30 Status of the Watershed Model and WQSTM Peer Reviews – Bill Ball, Chesapeake Research Consortium
The progress of the peer reviews of the Phase 6 Model simulation of Conowingo infill and climate change and the recently completed (June 5-6) peer review of the WQSTM will be discussed.

3:00 WQSTM Assessment of the 92 TMDL Segments – Richard Tian, UMCES
The review of the water quality standards of DO, chlorophyll, and clarity along with the major constituents of TN, TP, and TSS at each of the 92 TMDL segments of the Chesapeake will be reviewed. The assessment will center on the quality of the WQSTM calibration using paired observations and simulated results from the designated uses in each of the TMDL segments. Additional work will be the assessment water quality attainment of all TMDL segments for each of the years from 1985 to the present comparing observed and model estimated attainment.

3:20 Exploring Land Based Strategies to Address Conowingo Infill Phosphorus and Sediment Increases – Lee Currey, MDE and Olivia Devereux, Devereux Consulting

A presentation of the first stage of a three-phase approach that explores opportunities for land-based practices to reduce phosphorus and sediment as a result of the Conowingo Reservoir at full infill capacity. The work is being performed through the Modeling Workgroup and the CBP modeling team.

3:45 ADJOURN