Modeling Workgroup Meeting

July 25, 2017

CBPO Conference Room - The Fish Shack
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: 410-267-5731
Event webpage: http://www.chesapeakebay.net/calendar/event/24720/

10:00 Announcements and Amendments to the Agenda – Dave Montali, TetraTech and Lee Currey, MDE

10:10 Progress on Phase 6 Model Application to Conowingo Infill and 2025 Climate Change Analysis – Gopal Bhatt, PSU and Gary Shenk, USGS-CBPO
Further development of the Phase 6 model application to the Conowingo infill analysis and 2025 climate change scenario application and analysis will be reviewed.

10:50 Phase 6 Key Scenarios – Jeff Sweeney, EPA-CBPO and Matt Johnson, UM
A detailed look at the key Phase 6 scenarios of No Action, 1985 Progress, 2013 Progress, Phase II WIPs, E3, and All Forest will be presented with sector-to-sector and basin-to-basin comparisons between the 2010 and 2017 versions of the Watershed Model.

11:20 Status of Phase 6 Review Comments – Gary Shenk, USGS-CBPO
The status of the Phase 6 peer reviews and fatal flaw review will be reviewed including concerns with the current Phase 6 stream bank erosion simulation, Berkeley County soil P concentrations being higher than expected for a manure poor county, and other concerns will be addressed. In addition, an updated Phase 6 development schedule, with major milestones getting to the September 25-26 WQGIT face-to-face meeting and the October PSC meeting (TBD) will be presented.

12:30 LUNCH

1:30 CONOWINGO FINAL REPORTS – Tom Sullivan, Gomez and Sullivan Engineers and Bruce Michael, MDNR
The status of the final reports from the Conowingo studies including: 1) a final report from UMCES, 2) a final report from HydroQual on the Conowingo Pond Mass Balance Model (CPMBM), and 3) a final report from WEST on the HEC-RAS2 work will be presented. The next steps needed to finalize the peer reviews of this work will be described.

2:00 Atmospheric Deposition – Jesse Bash, EPA and Kyle Hinson, CRC
Nitrogen deposition for CMAQ scenarios in 2011, 2017, 2023, 2028, and a 2048-2050 RCP 4.5 climate scenario will be presented for the watershed and tidal waters. Comparisons will be made with the 2017 Airshed Model to the previous 2010 Airshed Model estimates. In addition, atmospheric deposition solely from CMAQ for wet and dry

deposition will be compared to the 2017 Airshed model combining the regression of wet deposition and the CMAQ for dry deposition in order to anticipate the best approach for future CBP airshed models.

2:45 ADJOURN