# Modeling Workgroup Conference Call
# September 22, 2016
## 10:00 AM – Noon

**For Remote Access:**
**Adobe Connect:** https://epawebconferencing.acms.com/modeling (enter as guest)
**Conference Bridge: 866-299-3188 Code: 267-985-6222#**
**Event Webpage:** http://www.chesapeakebay.net/calendar/event/24331

## AGENDA

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

SAVE THE DATE: October 4-5, 2016 Quarterly Review
December 13-14, 2016 Quarterly Review (note date change)

**10:05 Status of Phase 6 Watershed Model Beta 3 Refinements – Gopal Bhatt, PSU and Gary Shenk, USGS**
The application of a refined Phase 6 Beta 3 calibration to the analysis of estimated water quality influence of Conowingo infill and 2025 climate change will be previewed prior to the full detailed presentations at the October 4-5 Quarterly Review.

**10:20 Nutrient Attenuation in Chesapeake Bay Watershed Onsite Wastewater Treatment Systems – Victor D'Amato, Tetra Tech**
The Modeling Workgroup will review for incorporation into the Phase 6 Model an Expert Panel's findings on the latest science estimating nitrogen attenuation from onsite wastewater treatment systems (OWTS). Specifically, the Panel is recommending spatially differentiated improvements to the Phase 5.3.2 Model assumptions of a consistent 20 percent TN reduction (from a starting septic tank effluent baseline load of 5 kg/capita/year) in the soil treatment unit with an additional 60 percent attenuation of TN load between the system and modeled stream reach. The recommended improvements in spatially differentiated attenuation is through soil structure differences in the zone of immediate septic load treatment followed by different ground water attenuation rates in different hydrogeomorphic regions.

**11:40 Mass Balance Estimate for Ammonia Emission Controls – Gary Shenk, USGS**
An approach will be presented to account for captured ammonia emission loads from some types of BMPs or enhanced ammonia emissions from others that takes into account transport out, or attenuation within, the Chesapeake watershed.

**12:00 ADJOURN**