



Phase 5 Watershed Model 2015 Progress

Jeff Sweeney
Environmental Protection Agency
Chesapeake Bay Program Office
jsweeney@chesapeakebay.net
410-267-9844

Olivia Devereux
DEC, Inc.

Watershed Technical Workgroup
November 5, 2015



Phase 5 Watershed Model

2015 Progress Scenario

- Grant recipients are expected to provide CBPO with complete, quality-assured data in proper formats
- August 31, 2015 – Final requests for changes to the NEIEN Appendix due to the WTWG
- October 26, 2015 – Jurisdictions were provided with animal and land use projections for 2015 progress assessment
- Revised USDA data sent November 4, 2015
- December 1, 2015 – submissions for the July 1 to June 30 data period due = wastewater data + non-wastewater BMPs
 - Exceptions to the schedule for VA and DC wastewater + VA BMPs
- February 12, 2016 – Final 2015 progress run information available to jurisdictions – needed for outside reporting of progress on commitments and to keep results relevant.



Phase 5 Watershed Model

2015 Progress Scenario

- Base condition data from jurisdictions – otherwise defaults
- Harvested Forest Acres – Permitted, harvested forest acres by county
- Construction Acres – Permitted, concurrently disturbed construction acres by county
 - Concurrently disturbed construction acres are typically derived by taking the average or median of all monthly disturbed acres under active permits for the 12-month progress period (7/1/14-6/30/15)
- CAFO/AFO Animal Fractions – Estimate of the fraction of animals within permitted, confined feeding operations by animal type and county
 - Default = fractions of CAFO/AFO animals developed for the 2010 TMDL
- For each (harvested forest, construction, and CAFO/AFO), a description of the data sources and methods for collecting the data, and any estimates of non-permitted harvested forest and non-permitted construction acres you may have



Phase 5 Watershed Model 2015 Progress Scenario

- For 12/1/15 BMP submissions:
- Use Model version number in XML header as "5" so data is saved in NEIEN as Phase 5 WSM
- Multiple event status codes, e.g., Inspection, Maintenance, are not required fields for Phase 5 but please submit if available
- Approved BMPs are now eligible, e.g., Shoreline Management
- Appendix and codes list at <http://webservices.chesapeakebay.net/schemas/>



Phase 5 Watershed Model 2015 Progress Scenario

- “In the event that data are not submitted in time, are inaccurate, or do not use the appropriate NEIEN or wastewater formats for the CBPO to calculate annual progress, CBPO will use the previous year’s data submitted by the jurisdiction or will not account for implementation of the BMP or control measures”



Phase 5 Watershed Model

2015 Progress Scenario

- U.S. EPA CBP Office Grant and Cooperative Agreement Guidance, March 3, 2015, Attachment 6

Quality Assurance Project Plans

- QAPPs for the collection and use of environmental data are required from the seven watershed jurisdictions
- QAPPs need to be up to date to assist in facilitation of the grant monitoring process by CBIG and CBRAP project officers – as well as to accommodate work of the CBP BMP Verification Committee
- Additionally, jurisdictions are expected to update their QAPPs when new data sources become available which enable them to enhance reporting of existing or newly approved BMPs