

CHESAPEAKE BAY PROGRAM
WATER QUALITY GOAL IMPLEMENTATION TEAM
March 15th, 2010 Conference Call

SUMMARY OF DECISIONS, ACTIONS, AND ISSUES

ACTION: Jurisdictions should submit summaries of necessary contract support.

ACTION: CBPO will continue to consider nutrient management issues. A meeting of the Agricultural Workgroup will be convened to discuss this as soon as possible and report back to the WQGIT.

ACTION: Gary Shenk will distribute exact loading numbers for the calibration data.

ACTION: A list of segments and monitoring station names along with explanations for abbreviations, etc. will be distributed with the calibration data.

DECISION: NY abstains from decision because NY could not establish new practices based on this data. WQGIT gave majority approval of use of BMP review protocol

MINUTES

Results of Phase 5.3 Watershed Model Calibration – Gary Shenk

- Ran 2010 No Action and 2007 Air and with ‘allocation air’ scenarios
- Results unexpected. Unanticipated application ranges in Watershed Model (WSM)
- Need to determine extent of problem
- Believe Scenario Builder (SB) working well, likely small WSM problem

Review of the Preliminary Phase 5.3 Watershed Model Scenario – Gary Shenk

- Calibration data and methods mostly constant since 5.1. Method reviewed by WQSC, Modeling SubCommittee (MSC) and STAC
- Slide 7 – application rates increasing overall in Bay states through 2002, so reduction cannot be connected to nutrient management plan. Decrease in 2007. Conclusion is that nutrient management plan only has an effect when there is excess manure
- Members expressed some concerns about Nutrient Management, an ongoing consideration

ACTION: CBPO will continue to consider nutrient management issues. A meeting of the Agricultural Workgroup will be convened to discuss this as soon as possible and report back to the WQGIT.

- Changes in load in DC, DE due to corrections. Small change in area with monitoring stations
- Increase in Patuxent due to additional point source below fall line
- James decreased in P due to difficulty of calibration, reflecting inconsistencies between calibration stations in the James
- TP has higher variability than TN in prediction

ACTION: Gary Shenk will distribute exact loading numbers for the calibration data.

- Four plants added large P loads, two below monitored points, two in Susquehanna above calibration point
- Delivery factors change between scenarios, reflecting changes in river chemistry, etc.; mitigate by using delivery factors close to target load for allocation
- Will provide delivery factors with model run scenarios

ACTION: A list of segments and monitoring station names along with explanations for abbreviations, etc. will be distributed with the calibration data.

Update on Water Quality and Sediment Transport Model – Lewis Linker

- Modeling Subcommittee quarterly review is scheduled for March 31st and April 1st, will distribute an agenda this week
- Very little difference in calibration between 5.1 and 5.3
- STAC review on shallow water clarity SAV provided recommendations, applying in short term calibration prior to quarterly review
- 2010 is base year for allocation and TMDL process. Runs with other base years would be done to provide states with data on necessary growth offsets

Approval of BMP Review Protocol – Dave Hansen

- Provides clear expectations for adding and reviewing practices in the model
- Expectations are what the workgroups would consider. Don't necessarily need all. Note missing data
- Review existing BMPs every three years or reasonable time frame
- Should also consider land use changes
- Protocol doesn't exclude anything from conversation. Intended for outside groups to understand process for integration

DECISION: NY abstains from decision because NY could not establish new practices based on this data. WQGIT gave majority approval of use of BMP review protocol

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