

**CHESAPEAKE BAY PROGRAM  
WATER QUALITY GOAL IMPLEMENTATION TEAM**

**APRIL 19<sup>TH</sup>, 2010 CONFERENCE CALL MINUTES**

**SUMMARY OF DECISION AND ACTION ITEMS**

**Review/Approval of Revised Basinwide Nutrient Target Loads – Lewis Linker**

**ACTION:** CBPO will follow up with VA on the use of reference curves in assessing SAV attainment.

**DECISION:** The WQGIT approved continuing to use 200 million lbs TN and 15 million lbs TP as working targets loads until further model runs are available.

**Urban Land Use in Phase 5.2 versus 5.3 – Peter Claggett**

**ACTION:** The CBP Watershed Technical Workgroup will consider development of bare land to better reflect permitting of new construction.

**DECISION:** The WQGIT approved the proposed course of action for correcting the Phase 5.3 load use with CBP WQGIT workgroup input. New York is concerned about equity in land use.

**Review of Phase 5.3 Watershed Model Scenarios – Gary Shenk and Jeff Sweeney**

**ACTION:** CBPO/Gary Shenk will follow up with Dave Montali on West Virginia's total phosphorus loads in phase 5.3 compared to phase 5.2.

**ACTION:** CBPO/Lewis Linker will perform a sensitivity analysis to determine the source of impairments and the sensitivity to load reductions for small watersheds.

**Task Workgroups to Identify Critical Items to Address in Phase 5.3 – Bob Koronczi**

**ACTION:** Identify critical items to address in Phase 5.3 model for the PSC by April, 21<sup>st</sup>, all issues by May 3<sup>rd</sup>.

## MINUTES

### Review/Approval of Revised Basinwide Nutrient Target Loads – Lewis Linker

Slide 8 – areas of persistent non-attainment generally should not have been included in the first place or should be assessed with SAV reference curve. Non-attainment in POTTF may be due to errors in processing

Slide 11

**ACTION:** CBPO will follow up with VA on the use of reference curves in assessing SAV attainment.

- Most likely that the Tributary Strategy loads will look more like the target loads
- Loads will continue to be adjusted for local water quality standards, etc.

#### **State Feedback:**

Proposed to present the PSC with the previous target load of 200 million lbs TN, 15 million lbs TP with qualifiers and the loading from atmospheric deposition:

NY – Not bad to inform the PSC. Dissented to including in the past because the number means more to people than it should. Should include the atmospheric deposition loading. Should present former loading, qualifiers, etc.

PA – no proof that less than 200 is better than 200, should include as qualifier. Schedule and level of work makes December completion date ridiculous

WV – need to have loads that meet the standards. In the same ballpark. Should look at higher loading, and work on local streams may lead to lower overall bay loading than target load meeting main stem water quality

MD – do not have support for why the load was reduced, especially since it still does not meet water quality standards. This is still a target load that is going to be changed

DC – this is not a big issue as load as the numbers are explained and qualified

DE – agree with everything, don't have final allocations

VA – suggest that working targets remain where they are

**DECISION:** The WQGIT approved continuing to use 200 million lbs TN and 15 million lbs TP as working targets loads until further model runs are available.

### Urban Land Use in Phase 5.2 versus 5.3 – Peter Claggett

- Phase 5.3 model underestimates urban land use in the watershed
- USGS developed new land use data sets to create consistency across states and time period
- Data for phase 5.3 is from satellite imagery without ancillary information, leading to a very different estimate of urban land area and leaving out pervious land
- Improved extent of extractive land use in phase 5.3 with state data. Some urban area were converted to this use
- Proposed changes to correct for these issues include:
  - Updating extent of impervious surface based on ancillary data, including roads and housing
  - Extent of urban land would increase in the next phase with these corrections
  - Can capture 2/3 of what we missed with these corrections, cannot capture 5-20 acre lots with current data - would remain in forest land use
- Model changes for land use and nutrient management could occur concurrently
- Addresses concerns expressed by Rolband at Wetland Studies and Solutions Inc.

**ACTION:** The CBP Watershed Technical Workgroup will consider development of bare land to better reflect permitting of new construction.

**DECISION:** The WQGIT approved the proposed course of action for correcting the Phase 5.3 load use with CBP WQGIT workgroup input. New York is concerned about equity in land use.

**Review of Phase 5.3 Watershed Model Scenarios – Gary Shenk and Jeff Sweeney**

- Have updated scenarios, will continue to update and add scenarios
- 2009 scenarios expected this week, Tributary Strategy by next Monday

**ACTION:** CBPO/Gary Shenk will follow up with Dave Montali on West Virginia's total phosphorus loads in phase 5.3 compared to phase 5.2.

Slide 3 – James loading difference is due to moving the averaging period from 1985-1994 to 1991-2000; there were large point source P load reductions in the late 1980s

Slide 5 – all states decrease in TP under the P-based nutrient management (NM)

Slide 9, 10 – a much lower allocation, 186 TN, 10.8 TP, has large effect on all other sources' level of effort

- Revisions to No Action and E3: small details, will do in the next several weeks
- If we decide to go to phase 5.4 then we would not continue with these scenarios. Want to consider the results of these scenarios in the decision to make proposed model revisions.

**ACTION:** CBPO/Lewis Linker will perform a sensitivity analysis to determine the source of impairments and the sensitivity to load reductions for small watersheds.

**Task Workgroups to Identify Critical Items to Address in Phase 5.3 – Bob Koronczi**

- Have asked the workgroup chairs to identify issues today, with full inventory by May 3<sup>rd</sup>
- Consider if low, medium or high importance and impact for the model
- Also consider if it changes how the model calculates loads (current priority), definitions to key scenarios, or affects how states put together WIPs

*Agriculture Workgroup (Frank Coale):*

1. updating pasture management issues: expert panel has already met
2. update how winter cover crops are handled: recommendation coming shortly
3. nutrient management application and loading rates: currently evolving, recommendation in a matter of weeks
4. advanced nutrient management
5. accounting for continuous no till agricultural land

*Urban Stormwater Workgroup (Norm Goulet):* Issues to be address immediately include:

- Difference between phase 5.2 and 5.3 land use covers
- E3 definitions for urban stormwater: infiltration across all urban lands, not technically feasible
- Definition of MS4 boundaries: important for wasteload allocation

*Wastewater Workgroup (Tanya Spano):*

- Wastewater issues mostly affect how states put together their WIPs
- Don't have meeting until 22nd

*Watershed Technical Workgroup (Bill Keeling):*

- Lack time to do a through review. Issues related to percent cover, which affects sediment delivery
- Recommend that there not be BMPs only applicable to E3, AFO issue
- For Phase II WIP: TP and sediment disconnect on certain land uses, 2010 No Action definition

**ACTION:** Identify critical items to address in Phase 5.3 model for the PSC by April, 21<sup>st</sup>, all issues by May 3<sup>rd</sup>.

- Cannot consider anything proposed after May 3rd for this version of the model

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