

**CHESAPEAKE BAY PROGRAM WATER QUALITY GOAL IMPLEMENTATION TEAM
SEPTEMBER 29TH AND 30TH 2009 MEETING**

**Willow Valley Conference Center
Lancaster, Pennsylvania**

FINAL AGENDA

Purpose: To agree on a set of revised basinwide target cap loads for nitrogen and phosphorus and a limited number of options for allocating the nutrient target cap loads among the jurisdiction-basins to recommend to the Principals' Staff Committee at their October 23rd meeting.

Day One: Tuesday September 29th, 2009

8:30 AM **Welcome and Introductions** – Pat Buckley/Bob Yowell/Bob Koroncai

Setting up the meeting.....

8:40 AM **What is the PSC expecting from us** – Alan Pollock
 The target loads in the perspective of the TMDL Process – Bob Koroncai
 Preliminaries on the meeting – Bob Koroncai

- How the meeting is structured to arrive at PSC recommendations
- Opportunity to play out alternative approaches to target loads 'on the fly' during the course of the meeting
- Review of relevant WQGIT decisions since July PSC
- Review of 'parking lot' of Bay TMDL issues still to be addressed

PRESENTATION: Presentation A1: Key Decisions July-Sept 09; Presentation A2: Chesapeake Bay TMDL Parking Lot Issues

Final decisions on issues that impact the target load analysis.....

9:00 AM **Chesapeake Bay TMDL Schedule** – Bob Koroncai
Bob will detail the intermediate decisions and target dates necessary to establish a final Bay TMDL by PSC-requested date December 31, 2010. He will ask WQ Team members to consider the proposed revised Bay TMDL schedule during the course of the meeting so we can reach final agreement on what schedule/options to propose at the PSC at their October 23 meeting. He will ask for agreement on a specific deadline after which no new models or large scale data changes will be considered.

DECISIONS REQUESTED: By the end of the meeting: 1.) WQGIT decision on the revised Chesapeake Bay TMDL schedule (or options) to recommend to the PSC at their October 23 meeting for final decisions. 2.) WQGIT decision on a deadline after which no new models or large scale data changes will be considered.

BRIEFING MATERIALS: Attachment B1: Proposed Updated Chesapeake Bay TMDL Schedule; Attachment B2: Drainage to 92 Tidal Segments

9:30 AM Critical Period for Use in the Bay TMDL – Bob Koroncai/Mike Haire
Bob and Mike will summarize analysis of the critical period for use in the Chesapeake Bay TMDL, including:

- Review of EPA national guidelines and EPA Regional and state practices
- Statistical analysis of correlation between monthly flow durations and DO attainment and return period

They will recommend a critical period and the underlying technical and policy rationale supporting selection of that critical period.

DECISION REQUESTED: WQGIT approval of a critical period for use in the Chesapeake Bay TMDL.

BRIEFING MATERIALS: Attachment C1: Updated Analysis to Support the Chesapeake Bay TMDL Critical Period Selection; Attachment C2: White paper on critical conditions in previous TMDL's

PRESENTATION: Presentation C: Analysis of Critical Period for the Chesapeake Bay TMDL

10:00 AM Base Year and Wastewater Flow – Bob Koroncai/Gary Shenk
Bob and Gary will review the analyses of the base year and wastewater flow assumptions for use in the Chesapeake Bay TMDL, including:

- Review of EPA national guidelines and EPA Regional and state practices
- Further updates to and insights into the output of Phase 5.2 scenarios

They will recommend a base year and wastewater flow and the underlying technical and policy rationale supporting selection of that year and flow regime.

DECISION REQUESTED: WQGIT approval of a base year and wastewater flow assumptions for use in the Chesapeake Bay TMDL.

PRESENTATION: Presentation D: Analysis of Base Year and Wastewater Assumptions Using the Chesapeake Bay Phase 5.2 Watershed Model

10:30 PM Break (It's only been 2 hours?!)

10:45 AM Changes to the Draft Basinwide Nutrient Target – Lewis Linker
Based on decisions made and incorporated since the draft basinwide nutrient targets of 175 million pounds nitrogen and 14.1 million pounds phosphorus were presented to the PSC in July, Lewis will present:

- Review of decisions made that have influenced the nutrient basinwide target loads
- Revised detailed and summary stoplight plots for % DO criteria non-attainment by key loading scenarios
- Revised draft basinwide nitrogen and phosphorus target loads
- Reasons why these targets may change before the draft TMDL is established

DECISION REQUESTED: WQGIT approval of revised basinwide nutrient target loads for distributing loads among major basin/jurisdictions.

BRIEFING MATERIALS: Attachment E1: Detailed Stoplight Plots; Attachment E2: PDF version of Detailed Stoplight Plots

PRESENTATION: Presentation E: Changes to Draft Bay Nutrient Target

11:15 AM Enhanced Program Implementation Level and Tributary Strategy Scenarios

– Jeff Sweeney/Gary Shenk

Jeff and Gary will:

- Review the detailed definitions of the Tributary Strategy and Enhanced Program Implementation Level (EPIL) scenarios
- Present Phase 5.2 Tributary Strategy scenario outputs

DECISION REQUESTED: WQGIT approval of to use Tributary Strategy and EPIL scenarios as reference points.

BRIEFING MATERIALS: Attachment F1: Definition of EPIL and Tributary Strategy scenarios, by source sector, practice and geography.

PRESENTATION: Presentation F: Watershed Model Phase 5.2 EPIL and Tributary Strategy Scenarios

12:00 PM Group Lunch at the Family Restaurant

Overview of the basin jurisdiction target load options.....

1:00 PM Target load Methodology Options Analysis – Bob Koroncai/Gary Shenk

Bob and Gary will present the current array of target load methodology options based on previous WQGIT discussions, including:

- Review guiding principles: equity and efficiency
- Review of the pros and cons of target load methodology options
- Review of the refined and narrowed down set of methodology options coming out of the options survey and the September 21 WQGIT conference call
- Review of optimization methodology to set the upper and lower limits, shape, and distance between curves based on source sector and basin effectiveness
- Review of relative impact of each target load methodology option on the resultant jurisdiction-basins target loads

BRIEFING MATERIALS: Attachment G1: Target Load Methodology Options Analysis: Option Descriptions, Pros/Cons, Target Load Implications, and Survey Results.

PRESENTATION: Presentation G: Target Load Methodology Options

2:30 PM Break (Is it 5 o'clock yet? Some where? Anyone for a drink?)

Narrowing the target load options.....

2:45 PM **Narrowing Down the Target load Methodology Options** – Bob Koroncai
Based on the morning and early afternoon’s presentations and discussions, Bob will work with the WQGIT members to reach agreement on an interim decision (to be revisited Wednesday morning) on a narrowed set of target load methodologies. The challenge here is to try to cut the number of options on the table at least in half. The WQGIT should be discussing the options with at least two questions in mind:

- Which options are most equitable in distributing the target loads to the jurisdiction-basins?
- Are there more analyses, that can be run ‘on the fly’ during the course of the meeting, that would be helpful and inform this dialogue?

DECISIONS REQUESTED: 1) WQGIT agreement of an interim narrowed down set of target load methodology options; and 2) WQGIT agreement on further analyses needed (and to be run overnight) to support further decisions on Wednesday.

4:59 PM **Adjourn for ‘It’s 5 o’clock somewhere’ watershed-oriented light refreshments, munchies and more in honor of Bill Brannon’s forthcoming retirement (“The mighty Susquehanna, Potomac and James rivers were collaborating in forming the Bay 15,000 years ago when Bill started working for WV DEP...”)**

6:30 PM **Group Dinner at the Family Restaurant**

Day Two: Wednesday September 30th, 2009

7:30 AM **Breakfast at the Family Restaurant**

Final recommendation on jurisdiction-basin target load(s) to PSC.....

8:30 AM **Final Narrowing of the Jurisdiction-Basin Nitrogen and Phosphorus Loading Target Options** – Gary Shenk/Bob Koroncai

Based on the interim set of narrowed down target load methodology options and requested additional analyses, Gary and Bob will present the resultant sets of jurisdiction-basin nitrogen and phosphorus loading targets. The challenge here is to try to get the options that we will present to the PSC narrowed to 2 to 3 options along with a WQGIT recommendation. WQGIT members are asked to consider:

- How well the principles of relative effectiveness and equity are embodied within the resultant basin-jurisdiction target loads based on application of the target load methodology options?
- What is the relative impact of the narrowed down set of target load methodology options on the basin-jurisdiction target loads?

DECISIONS REQUESTED: 1) WQGIT approval of 2-3 target load methodology and draft jurisdiction-basin nutrient target load options to recommend to the PSC; and 2) WQGIT approval of a recommended set of jurisdiction-basin nutrient target loads.

PRESENTATION: Presentation H: to be generated on Tuesday evening (sorry Gary, no drinking that night) based on additional analyses requested by WQGIT members Tuesday afternoon.

10:15 AM Break

10:30 AM Final Narrowing of the Jurisdiction-Basin Nitrogen and Phosphorus Loading Target Options (Continued)

12:00 PM Group Lunch at the Family Restaurant

Other issues of importance.....

1:00 PM EPA’s Guidelines for Watershed Implementation Plans – Katherine Antos
Katherine will review near-final draft of the guidelines for Watershed Implementation Plans that EPA will be releasing in early October. She will provide follow-up request final feedback from WQGIT members on:

- Justification for Watershed Implementation Plans (Reasonable Assurance, CWA Section 117, Executive Order 13508
- Staged implementation
- Mid-point (2017) loading target
- Format for submitting Watershed Implementation Plan outputs
- Schedule for developing plans, and future planning efforts that will be deferred to 2-year milestones and stage 2 implementation

FEEDBACK REQUESTED: WQGIT feedback on final recommended additions, deletions and/or changes to EPA’s draft Watershed Implementation Plan guidance.

BRIEFING MATERIALS: Attachment I1 – Executive Order 13508 Section 202(a) Report (Accountability Framework: pp. 1-3, 12-14, 15-19); Attachment I2 – Draft U.S. EPA Chesapeake Bay Watershed Implementation Plan Guidelines

PRESENTATION: Presentation I: Draft Final EPA’s Watershed Implementation Plan Guidelines—Request for WQGIT Members Feedback

2:15 PM Update on the Scenario Builder – Gary Shenk
Gary will discuss the status of Scenario Builder, including:

- How it will interface with NEIEN and the Chesapeake Bay Program Models
- Schedule for continued development of additional functionality for Scenario Builder

PRESENTATION: Presentation J: Scenario Builder Update

FEEDBACK REQUESTED: What are the jurisdictions expectations for their use and application of Scenario Builder during the target load and implementation plan development processes.

2:45 PM Life Beyond October 23: Key Decisions on the Road Ahead – Rich Batiuk/Katherine Antos/Clint Boschen/Suzanne Hall

- Rich will layout the next steps in TMDL development process
- Clint will outline the schedule for continued documentation of the Bay TMDL
- Suzanne will review the logistics for the first wave of public meeting and the next steps to finalize these logistics

DECISIONS REQUESTED: WQGIT approval and recommendation to the PSC of priority actions and decisions in the coming months.

BRIEFING MATERIALS: Attachment K1 – Documentation Process for the Chesapeake Bay TMDL; Attachment K2 – Public Outreach Overview

PRESENTATION: Presentation K1: Proposed Oct 2009-Dec 2010 Bay TMDL Schedule; Presentation K2: Bay TMDL Documentation Schedule

Wrap up.....

3:15 PM Review of Key Decisions and Next Steps – Bob Koroncai

Bob will summarize WQGIT decisions on:

- Bay TMDL schedule
- Target load methodology
- Draft nutrient basin-jurisdictions target loads
- Key next steps

3:30 PM Adjourn – Safe Travels and Thank You for Your Time!