

Agriculture Workgroup (AgWG)

July 20 - 21, 2016

Face-to-Face Meeting Agenda

U.S. Geological Survey
5522 Research Park Drive
Catonsville, MD 21228

Conference line Day 1: 866-299-3188, Code: 2675715#

Conference line Day 2: 866-299-3188, Code: 410-267-5731#

Webinar link: <https://epawebconferencing.acms.com/agwg>

Meeting materials: <http://www.chesapeakebay.net/calendar/event/23301/>

Wednesday, July 20 10:00 AM – 3:00 PM

Conference line Day 1: 866-299-3188, Code: 2675715#

- 10:00 **Welcome, introductions, review meeting minutes** Workgroup Co-Chairs
- Roll-call of the governance body
 - Roll-call of the meeting participants
 - Approval of meeting minutes from the July 14th conference call.

- 10:15 **Manure Treatment Technologies Panel Report** D. Hamilton, J. Hanson

Doug Hamilton, Panel Chair, will present the Manure Treatment Technologies BMP Expert Panel's final recommendation report for AgWG approval. The presentation will include a track changed version of the report, a review of all comments received during the review period, and panel responses to the comments. Jeremy Hanson, Panel Coordinator, will provide the status of several external partnership discussions, e.g. the Modeling Workgroup and the Management Board, concerning air modeling and policy implications of the panel report.

Decision: The AgWG will be asked to approve of the Manure Treatment Technologies BMP Expert Panel report. The report is available on the [April 14th webinar page](#).

- 11:00 **SB Beta 3 Calibration Inputs and Beta 3a and 3b Nutrient Spread Results** M. Johnston, C. Dell

Matt Johnston, UM-CBPO, and Curt Dell, AMS Chair, will review the Scenario Builder (SB) Tool inputs that will inform the Beta 3 calibration of the Phase 6 model, including the assumptions and results of the different nutrient spread approaches from the Beta 3a and 3b Scenario Builder. Detailed information on these results can be found on the Agriculture Workgroup

[webpage](#) under the Projects & Resources tab, under the heading 'Phase 6 Scenario Builder Review'.

12:00 **Break for Lunch**

12:45 **CB Watershed Model Beta Versions**

Gary Shenk

Gary Shenk, USGS-CBPO will review the Chesapeake Bay Watershed Model (CBWM) Beta 2 and Beta 3 versions, with a particular emphasis on land use loading rates, soil P balances, atmospheric deposition, and the processes within the model that can alter the loading rates through conservation practices. Gary will also lead an open discussion with the AgWG on questions related to the Beta versions of the Phase 6 Watershed Model and Scenario Builder suite of tools.

02:00 **PA Agricultural Remote Sensing Pilot Project for the Potomac River Basin**

D. Coleman; et al

Pennsylvania State Conservationist Denise Coleman, USDA Natural Resources Conservation Service, along with project representatives, will provide a presentation on the recently completed remote sensing pilot project conducted in selected counties in the Potomac River Basin of Pennsylvania. The project employed a team of NRCS staff and contractors to identify and verify agricultural conservation practices that have been implemented on agricultural operations over a period of time using a series of remote sensing imagery. Practices identified by the project were cross-referenced with documented USDA practices implemented under federal financial incentive programs to avoid double counting. The NRCS project was partially financed through Chesapeake Bay Program Grant funds from the PA Department of Environmental Protection.

02:50 **Wrap-Up and Review of Day 1 Action and Decision Items**

M. Dubin, L. Gordon

Mark and Lindsey will review the actions and decision items from the first day of the meeting.

03:00 **Adjourn Day 1**

Thursday, July 21 9:00 AM – 3:10 PM

Conference line Day 2: 866-299-3188, Code: 410-267-5731#

09:00 **Welcome, introductions, review meeting minutes**

Workgroup Co-Chairs

- Roll-call of the governance body
- Roll-call of the meeting participants

09:10 **Cropland Irrigation Panel Membership**

M. Dubin

Mark Dubin will review the comments received from the partnership on the AgWG recommended membership of the Cropland Irrigation BMP Panel. The partnership review

comment period close on Friday July 8, and no comments were received that would necessitate a change to the AgWG's prior decision.

09:15 Cover Crops BMP Expert Panel Preliminary Report

K. Staver

Ken Staver, Panel Chair, will present the revised Cover Crops BMP Panel preliminary report for AgWG approval.

Decision: The AgWG will be asked to approve the Cover Crops BMP Expert Panel's preliminary report.

09:30 Update on Effort to Represent Double Cropping in Phase 6 Model

M. Johnston, S. Golt

Matt Johnston, UMD-CBPO, and Skyler Golt, UMD, will update the AgWG on the development of a possible new approach to representing double cropping systems with improved methods for the Phase 6 model. The new approach is utilizing common cropping systems information from the states coupled with USDA-NASS cropland data imagery and 5-year Agriculture Census data.

10:00 Chesapeake Bay Commercial Swine and Turkey Production Pilot Projects

T. Sexton, M. Dubin

Tim Sexton, VA Department of Conservation and Recreation, and Mark Dubin will provide a detailed update of the ongoing Penn State and Virginia Tech pilot projects to collect and develop commercial production and nutrient generation data for swine and turkeys with Pennsylvania and Virginia, and potentially adjoining states. The projects are using a methodology based on the Poultry Litter Subcommittee approved recommendation report for Broilers. The resulting project information and methodologies will be incorporated into a formal recommendation report for review and recommendation by the AgWG for inclusion in the Phase 6.0 modeling tools to more accurately represent annual nutrient generation from commercial swine and turkey operations across the Bay jurisdictions.

10:30 Discussion of Phase 6 Model Schedule

Workgroup Chair et al.

The AgWG will discuss the upcoming decisions and deadlines for completing the Phase 6 Chesapeake Bay Watershed Model suite of tools. Additional information can be found in the AgWG 2016 Rolling Timeline, available on the [AgWG website](#) under the Projects and Resources Tab.

10:45 AgWG Recommendation on Methods for Representing Nutrient Spread in Phase 6 Scenario Builder

M. Johnston

Matt Johnston, UM-CBPO, will briefly review and answer remaining questions on the Scenario Builder (SB) Tool inputs and results of the Beta 3a and 3b nutrient spread approaches for Scenario Builder. Detailed information on these results can be found on the Agriculture Workgroup [webpage](#) under the Projects & Resources tab, under the heading 'Phase 6 Scenario Builder Review'.

Decision: The AgWG will be asked to make a formal recommendation for SB on the approach to representing nutrient spread that will be used in the final Phase 6 model.

12:00 **Break For Lunch**

01:00 **Nutrient Management Panel Recommendations Update** F. Coale

Frank Coale, UMD, will briefly review the panel recommended structure for representing Nutrient Management in the upcoming Phase 6 modeling tools, and update the AgWG on the progress made by the Nutrient Management Panel in developing recommendations for the draft-final panel report.

01:30 **PA Agricultural Remote Sensing Pilot Project for the Potomac River Basin** S. Taglang, T. Tesler

Steve Taglang and Ted Tessler, PA Department of Environmental Protection, will briefly review the outcomes of the recently completed remote sensing pilot project conducted in selected counties in the Potomac River Basin of Pennsylvania. The project employed a team of NRCS staff and contractors to identify and verify agricultural conservation practices that have been implemented on agricultural operations over a period of time using a series of remote sensing imagery. Pennsylvania will be recommending the inclusion of this methodology and verification process in the partnership's BMP Verification Guidance documents.

Decision: The AgWG will be asked to make a formal recommendation on approving the addition of this remote sensing methodology and verification process in the partnership's BMP Verification Guidance for tracking and reporting implementation data from the USDA-NRCS pilot project for use in the Phase 6 modeling tools.

02:00 **Phase 6 E-3 Scenarios for Agriculture** M. Dubin

Mark Dubin will be providing an overview of the planned development of new Phase 6 E-3 (Everything by Everyone Everywhere) scenarios in preparation for future planning targets such as the Phase 3 WIPs. Mark will be asking for volunteers to serve on a small ad hoc committee to review the Phase 6 E-3 scenarios in preparation for AgWG approval.

Decision: The AgWG will be asked to make a recommendation in support of a small ad hoc committee to review the Phase 6 E-3 scenarios in preparation for AgWG review and approval.

02:15 **Discussion of 2-Year Milestone Evaluations** K. Shenk

Kelly Shenk, U.S. EPA R-3, will present an overview of the recent EPA Milestone evaluation reports for each partner state, focusing on the agricultural sector. The individual state evaluation reports are available on the AgWG webpage posting for this meeting.

03:00 **Wrap-Up and Review of Day 2 Action and Decision Items** M. Dubin, L. Gordon

Mark and Lindsey will review the actions and decision items from the first day of the meeting.

03:10 **Adjourn Day 2**

Next Meeting: Tuesday, August 23rd – Wednesday, August 24th Face-to-Face at Bay Program Offices in Annapolis, MD

DRAFT