

Agricultural Modeling Team (AMT) Meeting

August 8th

09:00 AM – 11:00 AM

[Meeting Materials](#)

Microsoft Teams: [Join the meeting now](#)

Meeting ID: 246 929 423 243

Passcode: z872qn

Dial-in by phone: [+1 202-991-0477,,913721509#](#) United States, Washington DC

This meeting will be recorded for internal use to assure the accuracy of meeting notes.

Statement of purpose:

To evaluate potential improvements to inorganic fertilizer data, land uses, and BMP excess for Phase 7.

Decision items:

1. Approve the [July minutes](#)
2. Land Use Loading Rate Ratios

Announcements:

- New meeting security protocol

Introduction/Recap: 09:00-09:20 [20 min (Zach Easton, Virginia Tech)]

Zach will provide a quick recap of the AMT progress from last month and go over where the voting items stand after offline voting was requested.

Inorganic Fertilizer Modeling, a New Perspective 09:20-09:50 [30 min (15 min presentation 15 min discussion) (Caitlin Grady, George Washington University)]

Caitlin is involved in modeling agricultural processes for her work with George Washington University. We will hear about her team's methods for simulating inorganic fertilizer on agricultural lands. This will serve as a possible alternative to our current fertilizer dataset.

Informational.

Land Use Loading Rate Ratios 09:50-10:20 [30 min (10 min presentation 20 min discussion) (Tom Butler, EPA)]

A subgroup tasked was tasked with determining how the new classes of managed Pasture and Hay load N relative to their unmanaged classes. The results of this groups work were shared in July and put to a vote. We will go over the votes to date and decide on a direction for this item.

DECISIONAL.

BMP Excess 10:20-10:55 [35 min (10 min presentation 25 min discussion) (Tom Butler, EPA)]

We will further discuss details regarding why we see more animal BMPs submitted then can be credited in CAST. This will set the stage for any decisions required of the relevant data processing as well as recommendations to send to relevant groups. **PRE-DECISIONAL** (information relevant to a decision that will take place in the near future).

Recap/Closing 10:55-11:00 [15 min (Zach Easton, VT)]

Action Items:

- Discuss: Inorganic fertilizer, Land Use Loading Rate Ratio votes, and Animal BMP excess.

Adjourn – 11:00

Up Next:

Office Hours: Friday, September 12th, 2024, from 8:00 - 9:00 am.

AMT Meeting: Friday, September 12th, 2024, from 09:00 - 11:00 am.

****Common Acronyms**

AgWG- [Agriculture Workgroup](#)

AMT- [Agricultural Modeling Team](#) (Phase 7)

BMP- Best Management Practice

CAST- [Chesapeake Assessment Scenario Tool](#) (user interface for the CBP Watershed Model)

CBP- [Chesapeake Bay Program](#)

CBPO- Chesapeake Bay Program Office (houses EPA, federal partners, and various contractors and grantees working towards CBP goals)

CBW- Chesapeake Bay Watershed

CRC- [Chesapeake Research Consortium](#)

EPA- [United States] Environmental Protection Agency

PSC – [Principals' Advisory Committee](#) (CBP)

STAC- [Scientific & Technical Advisory Committee](#)

TMDL- Total Maximum Daily Load

WQGIT- [Water Quality Goal Implementation Team](#)