



# Agenda

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- 10:00 AM – Introductions and Announcements – Ted Tesler, PADEP or Jeff Sweeney, EPA CBPO
  - WTWG membership/ roles update
  - Update on BMPs for progress and planning (forest buffers, boat pump-out)
  - BMP verification

Decision requested: Approval of July 19th meeting minutes.

- 10:30 AM – Revision of NIEIN XML Schema – WTWG discussion  
The group will discuss Greg Sandi's proposal for changes to the process for submitting to NIEIN.
- 11:15 AM – Update on Progress and Phase III WIPs – Jeff Sweeney, EPA CBPO
- 11:30 AM – Expert Panel: Animal Mortality Management– Loretta Collins, UMD  
In April the CBP, under its Expert Panel Management Cooperative Agreement with Virginia Tech (VT), released an RFP to solicit proposals to convene an expert panel to consider BMPs for routine animal (livestock and poultry) mortality management. Loretta will present the selected proposal from Oklahoma State University along with updates resulting from the July Partnership review period.
- 11:50 AM – Wrap-up
- 12:00 PM – Adjourn



## CAST Upgrade History

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Update released on August 21, 2018 – New BMPs are available for scenarios with planning BMPs including:

- Denitrifying Ditch Bioreactors: Diversion of tile-line flow through a carbon-source filter to enhance conversion of nitrate to nitrogen gas that volatilizes.
- Saturated Buffers: Diversion of tile-line flow to a subsurface, perforated distribution pipe used to divert and spread drainage system discharge to a vegetated area to increase soil saturation.
- Conservation Landscaping Practices: The conversion of managed turf into actively maintained perennial meadows, using species that are native to the Chesapeake Bay region.



## CAST Upgrade History

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Update released on August 21, 2018 – New BMPs are available for scenarios with planning BMPs including:

- Septic Denitrification - Advanced: The septic system should employ both a 50% denitrification unit for pre-treatment of waste and an enhanced in situ treatment system within the soil treatment unit. This BMP should be used only for systems that employ integrated fixed-film activated sludge (IFAS) pre-treatment technologies with advanced drip dispersal units for in situ treatment within the soil treatment unit.
- Septic Effluent - Advanced: The septic system should employ an enhanced in situ treatment system within the soil treatment unit with no secondary treatment or enhanced denitrification technology. This system must employ shallow-placed, pressure-dosed dispersal units or elevated sand mounds with pressure-dosed dispersal for in situ treatment within the soil treatment unit designed to reduce 50% TN.
- Septic Secondary Treatment - Advanced: Processes occurring within the soil treatment unit, including drip dispersal systems designed to produce a gross 60% TN reduction.



## CAST Upgrade History

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Update released on August 30, 2018:

- Loading rates (lbs/acre) are now available on the “Compare Scenarios” page and as a downloadable report.
- The sector graphs now include more divisions so you can see the different loads by regulated and non-regulated load sources.
- Wastewater delivery factors are included in the source data table.
- Adding Land Policy BMPs is made easier by allowing multiple selections.





# BMP Status

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## Boat Pump-Out

- Discussed at the Wastewater Treatment Workgroup meeting September 4, 2018 since the WQGIT charge to reconsider elements of the proposed BMP for applicability to Type 1 and Type 2 MSDs (usually found in commercial vessels) in No-Discharge Zones.
- Considering revising the expert panel analysis and recommendations based on comments received.
- Needs approval by the WWTWG, WTWG, and WQGIT by April 2019 to be included as a BMP in the Fall 2019 for progress assessments.



# BMP Verification

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2018 GRANT AND COOPERATIVE AGREEMENT GUIDANCE, Attachment 6:  
Wastewater Facility and BMP Implementation Data Submission Specifications and  
Requirements

## QUALITY ASSURANCE PROJECT PLANS (QAPPs) aka BMP Verification Program Plans

- Need to be up-to-date to assist in facilitation of the grant monitoring process by CBIG and CBRAP project officers – as well as to accommodate work of the CBP BMP Verification Committees.
- Jurisdictions are expected to update their QAPPs when new data sources and methods become available which enable them to enhance reporting of existing or newly approved BMPs.
- BMP projects and/or verification are to specify new implementation, inspection, maintenance, or retirement.



# BMP Verification

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## 2018 GRANT AND COOPERATIVE AGREEMENT GUIDANCE, Attachment 6: Wastewater Facility and BMP Implementation Data Submission Specifications and Requirements

- For complete guidance on BMP verification, see [http://www.chesapeakebay.net/what/programs/bmp\\_introduction\\_to\\_bmp\\_verification](http://www.chesapeakebay.net/what/programs/bmp_introduction_to_bmp_verification)
- The most recent versions of each jurisdiction's approved BMP Verification Program Plans are at [http://www.chesapeakebay.net/what/programs/bmp\\_introduction\\_to\\_bmp\\_verification/bmp\\_additional\\_resources](http://www.chesapeakebay.net/what/programs/bmp_introduction_to_bmp_verification/bmp_additional_resources)
- It is expected that jurisdictions that have conditional approval by EPA of their BMP Verification Program Plans – address all outstanding comments of the Verification Panel, workgroup coordinator and/or EPA.



# Revision of NIEIN XML Schema

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From: Gregorio Sandi -MDE- <gregorio.sandi@maryland.gov>

Sent: Tuesday, September 04, 2018 10:52 AM

Subject: NEIEN XML Requirement Changes

Two WTWG meetings ago, I proposed modifying the required data elements of the NEIEN XML submission. The reason I proposed these changes was that our submission seems to be getting exponentially larger in Maryland and there were a lot of redundant data elements that I feel are no longer useful.

I have attached a table that Bill Keeling had sent the Data Exchange template highlighted with his suggestions for required elements that should be optional, and I've added a few more of my own. Here are some of the reasons why these data elements are suggested to be turned from required to optional:

- 1) Code descriptions should not be necessary, there's a reason to use codes and that is so a description is not needed in the data.
- 2) The NPSBMP Type Code is not necessary as the sector which a BMP is attributed to is now baked into the BMP Name, making this a redundant data element.
- 3) NPS BMPName TypeCode is not necessarily anymore as the definition of who implements this BMP is now baked into the Implementation Qualifier codes (i.e. IMFW or IMNFW).

. . . my vote is to make the cells highlighted in the Data Exchange Template optional.

For those jurisdictions that worry it will affect their submission, it will not, you'll still be able to submit the same way you have from the beginning, this will allow those of us with 100,000 + records to simplify our submission and reduce redundant data.





# Progress Scenarios and Phase III WIPs Status and Schedule

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Watershed Technical Workgroup  
September 6, 2018



## Phase 5.3.2 Model – 2017 Progress

- Results of the last Progress model assessment with Phase 5.3.2 (charts + tables + descriptions) at <https://www.chesapeakeprogress.com/clean-water/watershed-implementation-plans>
- “Official” version of 2017 Progress (Phase 5.3.2) is “2017ProgressV12N051518” on BayTAS with more detailed data <https://baytas.chesapeakebay.net/DataReport/BayReportKo/PublishedReports>
- EPA Final Evaluation of 2016-2017 Milestone and Midpoint Progress and 2018-2019 Milestone Commitments in the Chesapeake Bay Watershed <https://www.epa.gov/chesapeake-bay-tmdl/epa-final-evaluation-2016-2017-milestone-and-midpoint-progress-and-2018-2019>



## Phase 6 Model Scenarios

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- Phase 6 inputs and outputs are available on CAST at <http://cast.chesapeakebay.net>
  - 1984-2017 Progress
    - 2014 Progress V14, 2015 Progress V14, 2016 Progress V14
    - 2017 Progress V9
  - 2010 No Action
  - 2010 E3
  - 2010 WIP2
  - 2025 WIP2





## Phase 6 Model Scenarios

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- Phase 6 reports and data:
  - Atmospheric deposition
  - Base conditions = Data for load source acres, septic systems, animal counts, and nutrients applied
  - BMP input files = Animal, Land, Manure, and Policy “input decks”
  - BMP submitted vs. credited
  - BMP summary report
  - Loads per unit
  - Loads report
  - Nutrients applied
  - Quick results report = Summary Loads, Detailed Loads, Land BMPs, Animal BMPs and Manure Transport BMPs





## WIP Schedule

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- July 9, 2018 – Release of final Phase III planning targets
- April 12, 2019 – Draft Phase III WIPs posted on jurisdictions' websites
- June 7, 2019 – Partners and public stakeholders' feedback on draft Phase III WIPs due to jurisdictions
- August 9, 2019 – Final Phase III WIPs posted on jurisdictions' websites