

Draft Questions/Requests for STAC Review of Nutrient Inputs to the Watershed Model

- Given the state of available manure and fertilizer data, please comment on the overall appropriateness of the methods used to estimate total manure and fertilizer available for application to agricultural lands.
 - Relevant sections: 3.2.1 – 3.2.5 (manure estimates); 3A (for additional information regarding poultry nutrient generation estimates); 3.3.1 (inorganic fertilizer estimates)
- Understanding that farmer-reported nutrient application rates are not available for the majority of agricultural acres throughout the calibration period (1984-2013), please comment on the overall appropriateness of the methods used to distribute-applications to crops, hay and pasture.
 - Relevant sections: 3.2.7 (manure applications); 3.3.3 – 3.3.4 (inorganic fertilizer applications)
- Given the lack of data available to estimate acres on which two crops were harvested (double-cropped acres), please comment on the overall appropriateness of the method used to estimate these acres.
 - Relevant sections: 5.3.3
- Considering the current state of the science related to agricultural forecasting and agricultural economics, please comment on the overall appropriateness of the agricultural forecasting method. Are there alternative forecasting methods you would recommend?
 - Relevant sections: 5.3.1
- Does the documentation sufficiently describe the data and methods used to estimate nutrient inputs for the Watershed Model? Please expand if there are particular sections that should be expanded upon or improved.
- Do the reviewers have any concerns or comments about the data or methods described within the documentation aside from those already listed above?
- Are there additional technical data or scientific findings that could be employed by the Chesapeake Bay Program now, or developed in the future, to better inform nutrient input estimates across the watershed?

Link to Webinar for a 2-hour overview of Phase 6 Scenario Builder:

<https://epawebconferencing.acms.com/p7sqsbyg8u4/?launcher=false&fcsContent=true&pbMode=normal>