Chesapeake Bay Two New Onsite Wastewater Nutrient Removal BMPs Expert Review Panel Charge

The main charge for the panel is to review available science on the pollutant removal performance of two proposed BMPs for the onsite wastewater treatment sector in order to derive nutrient removal rates for individual practices. The two BMPs are:
- a peat treatment system with dispersal to a pad (not currently covered by an existing BMP and therefore represents a potentially new BMP for the sector)
- shallow placed (≤ 12") drip dispersal (currently covered by the BMP of Shallow Placed, Pressure Dispersal which combines low pressure distribution and drip dispersal into the same category with a net 38% TN reduction)

The panel is specifically requested to:
- Review existing literature and other relevant data and supporting information to
  - determine if a generic class can be established that would encompass a range of peat treatment system technologies, and
  - determine if a higher nitrogen reduction efficiency can be assigned to the drip dispersal subset of the existing Shallow Placed, Pressure Dispersal BMP
- Provide a definition for each treatment practice and the qualifying conditions under which a credit can be received

Beyond this specific charge, the panel is asked to;
- Recommend procedures for reporting, tracking and verifying the recommended retrofit credits
- Critically analyze any unintended consequence associated with the credit and any potential for double or over-counting of the credit

Specific charge points can be amended by recommendation of the Panel with concurrence of the CBPO lead. Throughout the process, detailed records need to be kept. In addition, panelists should follow the *Protocol for the Development, Review, and Approval of Loading and Effectiveness Estimates for Nutrient and Sediment Controls in the Chesapeake Bay Watershed Model*.