

# Animal Waste Management Systems (& Poultry Heavy Use Area Concrete Pads) Panel to be convened through Virginia Tech AND Manure Treatment Technologies Panel update

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Agriculture Workgroup

# Timeline: AWMS Panel

**March 16:** Request for Proposals released and distributed

**April 17:** Deadline for proposal submissions

**Late April:** CBW-ROC evaluates proposals and makes its selection, making any adjustments to the Statement of Work in response to CBW-ROC review

# Timeline: AWMS Panel

**Late April/Early May:** Statement of Work and proposed panel membership distributed for review/comment by WQGIT, AgWG, STAC and other relevant groups

**May AgWG call:** Potential confirmation of membership and SOW by AgWG, or via email shortly after

**Late May/June:** Panel convenes and schedules its first set of calls and public stakeholder session.

Goal: AgWG/WTWG/WQGIT-approved recommendations in 1-year (June 2016).

# Manure Treatment Technologies panel update

- Panel continues to gather and evaluate literature and resources, but are shifting more to analysis and identification of trends or patterns in data.
- Will continue to incorporate additional information as they develop and refine their recommendations.
- Still on track to draft and refine the report over the summer, with the *goal* of fully-approved recommendations in the October timeframe.

# Manure Treatment Technologies panel update

- The panel is considering another tier, or category, of treatment systems that could be handled as a “point source,” in cases when the system collects extensive data through monitoring/sampling of inputs and outputs throughout the system. In other words, if we **know** the nutrient loads in and out of the system, we can *potentially* use that in the model, similar to a wastewater treatment facility.
- No commitments or guarantees at this time, for this or other recommendations. **All panel activities and discussions are still deliberative.**

# Manure Treatment Technologies panel update

- This would likely only apply to the largest systems that utilize manure at a regional scale or are co-located with very large livestock operations. Extensive and rigorous data collection, analysis and quality assurance would be involved, similar to wastewater treatment facilities. The panel is still exploring the issue, but **information is needed from the jurisdictions to guide their discussion on this.**

# Manure Treatment Technologies panel update

Specific examples of what would help the panel (as a starting point – suggestions welcome):

- A. what data collection, monitoring and reporting requirements does your state have for large scale livestock manure treatment systems? Are there variations between categories (digestion, combustion, pyrolysis, torrefaction, etc.)?
- B. What triggers these requirements? Trading program? CAFO/AFO programs? Other?
- C. What data elements would these systems be required to collect and report to the jurisdiction?
  - 1) At what frequency is the data reported?
  - 2) To whom? What office/agency?
  - 3) In what format?
- D. Are there other specific requirements that the panel should be aware of? E.g., specific methods or requirements for when, where, or how often samples must be collected.
- E. What related requirements exist in your jurisdiction for tracking the fate/transport of the manure prior to its delivery and treatment by the system? What about the post-treatment products (e.g. bio-char, liquid or solid fertilizer, compost)?

# Suggested next steps for this request...

- **No ad hoc subgroup needed – just need names for Jeremy to contact**
- AgWG members provide contact information for relevant programmatic contacts to Jeremy ([jchanson@vt.edu](mailto:jchanson@vt.edu); 410-267-5753) by end of the month (Friday, 3/27)
  - Other input or suggestions also welcome during that time
- Jeremy will work directly with those contacts to gather necessary information or details pertaining to these large scale treatment systems. Jeremy will work with panel based on what he finds.
- This will likely be an ongoing process as the panel continues to develop its full suite of recommendations.
- Again, this is only for the largest systems. Smaller, farm scale systems – or other systems that do not collect extensive data – will rely on the efficiencies developed by the panel for the applicable category of technology.



# Other BMP panels under VT

- Urban Tree Canopy (Forestry)
  - Panel membership confirmed by Forestry Workgroup in February. Convening for first call soon, and working to schedule its public stakeholder session.
- Impervious Disconnection (Urban)
  - RFP currently open, proposals due 3/27. Will seek USWG confirmation of membership as early as 4/21, but depends on review/comment period following CBW-ROC evaluation and selection.

# Questions or comments about VT panels or projects?

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