Chesapeake Bay Program's (CBP)
Scientific and Technical Advisory Committee (STAC)
Workshop Series – May 4, 2022

The Role of Litter Amendment Use in the Delmarva Broiler Industry

Virtual Meeting

Workshop webpage

Wednesday, May 4th

Register in Advance

****Exact Times Are Subject to Change****

01:00 pm **Welcome and Overview of Questions and Goals** —

Joe Wood, Virginia Senior Scientist (Chesapeake Bay Foundation)

What sources and data collection methods are available for representing commercial poultry production management practices related to the generation and mitigation of poultry ammonia emissions? Should we invest additional financial resources to collect this data? What are the primary commercial best management practices (BMPs) which can assist in reducing ammonia emissions for which implementation data should be collected? How often should the data be collected, and what are the obstacles to implementation?

01:05 pm **Chesapeake Bay Program Ammonia Data 101** –

Gary Shenk (USGS – Chesapeake Bay Program Office)

What are the existing sources of poultry production ammonia emissions data which are utilized to represent ammonia emission mitigation and deposition in the Chesapeake Bay Watershed Model (CBWM) and Chesapeake Assessment Scenario Tool (CAST)?

01:15 pm **Commercial Poultry Production and Ammonia Data** –

Paul Bredwell, Executive Vice President Regulatory Programs (US Poultry & Egg Association)

A series of scientific presentations on alternative sources of commercial poultry production research data including indicators of management trends and associated ammonia emissions.

- What was the data collected?
- What were the method(s) used to collect data?
- What was the level of difficultly/challenges in collecting the data?
- What was the quality/completeness of the data collected?
- How does it inform our knowledge on ammonia emissions and mitigation?

- Dr. Jon Moyle – Poultry Extension Specialist, Lower Eastern Shore Research and Education Center (LESREC), University of Maryland "Delmarva Commercial Poultry Production Management Trends"

- Dr. Rich Gates – Professor Departments of Agricultural and Biological Engineering, and Animal Science; Director of the Egg Industry Center, Iowa State University
  "Poultry Ammonia Emissions Production Trends"

- Casey Ritz – Professor University of Georgia
  "Commercial Broiler Management and Ammonia Emissions"

- Dr. Jennifer Timmons – Associate Professor Poultry Extension Specialist, Department of Agriculture, Food and Resources Sciences, University of Maryland Eastern Shore
  "Delmarva Poultry Litter Amendment Use Data and Potential Alternatives"

- Dr. Jactone Arogo Ogejo – Associate Professor Extension Specialist, Department of Biological Systems Engineering, Virginia Polytechnic
  Alternative – Mark Dubin, University of Maryland College Park
  "Virginia Commercial Production Systems Survey"

02:00 pm **5-minute Break**

02:05 pm **Commercial Poultry Production and Ammonia Emissions** (continued) –

02:30 pm **Speakers Science Panel Discussion – Audience Questions and Answers** –
Mike Foreman, STAC Workshop Moderator (IEN)

03:00 pm **Group Discussion and Takeaways** –
Mike Foreman, STAC Workshop Moderator (IEN)
Mentimeter interactive polling will be used to gather group feedback and takeaways.

- What are the most critical knowledge gaps concerning the representation of commercial poultry production management and ammonia mitigation?
- What obstacles exist to developing and integrating new poultry production management and mitigation data?
- How can the partnership help overcome obstacles to enhanced data development and implementation?
- Should the partnership invest financial and technical resources into the development of commercial poultry production management and ammonia mitigation data?

03:30 pm **Group Mentimeter Outcomes Summary, Take-aways, and Next Steps** – *Joe Wood, Virginia Senior Scientist (Chesapeake Bay Foundation)*

04:00 pm **Adjourn**