

Paul J. Bredwell III, P.E.

Executive Vice President of Regulatory Programs- U.S. Poultry & Egg Association

Paul Bredwell is a graduate of the Georgia Institute of Technology where he earned a Bachelor of Civil Engineering degree in 1986 focusing on hydraulics, hydrology and environmental engineering. He currently holds a license as a registered professional engineer in multiple states.

Mr. Bredwell has over 30 years of experience in the poultry and egg industry as an engineering consultant and his current role at the U.S. Poultry and Egg Association (USPOULTRY.) USPOULTRY is the world's largest and most active organization supporting the poultry and egg industry. The Association's membership includes poultry and egg farmers and processors of broilers, turkeys, eggs, ducks and breeding stock, many of which operate in the Chesapeake Bay watershed. Additionally, USPOULTRY supports and collaborates with 24 state poultry associations including the Delmarva Chicken Association, PennAg Industries Association, Virginia Poultry Federation and West Virginia Poultry Association.

In his role as Executive Vice President of Regulatory Programs, one of Mr. Bredwell's main priorities is the development of educational programs to assist all facets of the poultry and egg industry. This includes the formation of tools that increase poultry and egg farmers and processors' awareness of environmental risks and adherence to environmental regulations. An example of this is the 2015 completion of collaborative project with the Environmental Protection Agency that delineates the requirement, importance and benefit of developing nutrient management plans on all poultry and egg farms.

Additional responsibilities include the assessment and dissemination of technical and regulatory information to poultry and egg farmers, processors and state poultry associations including the development and coordination of research projects, originating from various land grant universities, which focus on identifying and addressing environmental risk and mitigation.

Mr. Bredwell has been an engaged member of the Chesapeake Bay Program Agricultural Workgroup since 2012. He fully supported the Agricultural workgroup's effort to involve industry stakeholders during the "Building a Better Bay Model Workshop" in 2013 by reaching out to poultry industry environmental compliance personnel. He was able to obtain workshop participation by representatives of nearly every poultry processing company operating in the Chesapeake Bay Watershed.

To assist the efforts of the Poultry Litter Subcommittee, Mr. Bredwell served as an external subject matter expert as needed. In response to the Poultry Litter Subcommittee's recommendation to identify additional poultry population data, Mr. Bredwell assisted the

Chesapeake Program office with the coordination of a pilot project that obtained turkey population data from the turkey integrator companies operating within the Commonwealth of Virginia.

Mr. Bredwell continues to assist with an ongoing project to collect reoccurring turkey population data in Virginia and West Virginia that can be used to inform the update of the Chesapeake Bay TMDL model. Data collected during the project includes litter volumes generated, litter nutrient concentrations and litter transfer volumes for each type of live production model used by the turkey industry (i.e., all-in/all-out, 1-stage, 2-stage, etc.) Plans to expand the project in 2021, to collect the same data sets for the meat bird chicken and chicken breeder populations were delayed because of the COVID-19 pandemic and widespread outbreaks of highly pathogenic Avian Influenza. However, industry's commitment to provide this data as a means to support nutrient reduction goals remains intact. To demonstrate the poultry industry's commitment to clean up the Chesapeake Bay, Mr. Bredwell has successfully secured roughly \$60,000 in funding from the USPOULTRY Board of Directors to help fund the on-going data collection project.

Early in 2021 Mr. Bredwell accepted an invitation to serve on a Chesapeake Bay Program's Scientific and Technical Advisory Committee to plan and participate in a workshop titled, "Improving Modeling and Mitigation Strategies for Poultry Ammonia Emissions Across the Chesapeake Bay Watershed."