

## Appendix: Technical Requirements for Entering the Broiler Mortality Freezers into CAST

**Background:** In June, 2013 the Water Quality Goal Implementation Team (WQGIT) agreed that each BMP expert panel would work with CBPO staff and the Watershed Technical Workgroup (WTWG) to develop a technical appendix for each expert panel report. The purpose of this technical appendix is to describe the Agriculture Workgroup's recommendation to provide a load source reduction value for Broiler Mortality Freezers for jurisdictional planning purposes, in expectation of a full Expert Panel recommendation report on animal mortality management practices in late 2019. The information below explains how Broiler Mortality Freezers can be integrated into the Watershed Model.

### **Q1. What are the reductions a jurisdiction can claim for planning purposes under Broiler Mortality Freezers in the Phase 6 Watershed Model?**

**A1.** Based on values indicated by Simpson and Weammert (2009), jurisdictions can claim a manure transport credit of 27 lbs of N and 4.9 lbs of P per ton of dead broiler carcasses that are transported out of the county or the watershed.

### **Q2. What types of projects are eligible to receive credit in the Phase 6.0 Watershed Model?**

**A2.** This BMP represents the temporary storage of routine broiler mortalities in large on-farm freezer units for collection by a contractor or service-provider. A bio-secure vehicle arrives between flocks to take the material off-site, presumably to a rendering facility.

### **Q3. What will jurisdictions need to submit to NEIEN to receive credit for broiler mortality freezers upon its approval for progress?**

**A3.** This is an interim BMP for planning purposes only, and will be added to NEIEN when or if it is approved for progress reporting purposes.

### **Q4. What should a jurisdiction report to CAST in order to receive credit for this practice for planning purposes?**

**A4.** Jurisdictions must report the tons of broiler carcasses transported off site, as well as the county in which the carcasses originated and the county to which they were transported.

### **Q5. What should a jurisdiction report for the county where the carcasses were transported if the carcass nutrients are not reapplied to agricultural land?**

**A5.** In these situations, jurisdictions may leave the county receiving transport blank in the same way jurisdictions currently report manure that is, for example, resold as soil amendments at home improvement stores.

### **Q6. Which land use categories are eligible to receive nutrient reduction credit from broiler mortality freezer BMPs in the Phase 6.0 Watershed Model?**

**A6.** In the Phase 6.0 Watershed Model, nutrient reductions from broiler mortality freezers could be applied to permitted feed operations or non-permitted feed operations. If neither land use is provided,

the credit will be applied to the default category, “feed operations”, and the reduction credit would be distributed proportionally between permitted and non-permitted feed operation land uses.

**Q7. Is this BMP an annual or cumulative practice?**

**A7.** The BMP is an annual practice. However, this BMP is for planning purposes only, and will not be reported each year for progress.

**Q8. How will the existing Broiler Mortality Freezers be accommodated?**

**A8.** To date, no jurisdiction has submitted Broiler Mortality Freezers in a progress or planning scenario.

**Q9. Is this practice mutually exclusive with other practices?**

**A9.** No.

**Q10. Are reported broiler mortality freezers assumed to have an Animal Waste Storage Facility on the property?**

**A10.** No. Animal Waste Storage BMPs must be reported separately in order to receive credit for those practices.

**Q11. How do broiler mortality freezers relate to other barnyard practices in the Phase 6 Model, such as Animal Waste Management Systems, Barnyard Runoff Controls and Loafing Lot Management?**

**A11.** These practices should be tracked and reported separately. It is likely that many facilities with a broiler mortality freezer system will also have a combination of other barnyard practices employed on-site to control runoff from feeding and loafing lot areas. States may report multiple barnyard practices and broiler mortality freezers for the same site if applicable.