

Subgroup Updates: AMPS and MTTTS

Mark Dubin
Agricultural Technical Coordinator
University of Maryland

Agriculture Workgroup Meeting
November 7, 2013

AMP Subgroup Update

- First meeting of Agricultural Management Plans Subgroup (AMPS) held on October 24, 2013.
- Subgroup focused on developing elements of an agricultural verification protocol and recommended methodologies for management plans.
- Draft elements for developing a management plans verification protocol:
 - Up to date nutrient management plans
 - Cropping systems that match the plan
 - Long term soil nutrient residual trends
 - Verifying equipment calibration
 - Manure and soil testing
- Next meeting scheduled for November 14th.

MTT Subgroup Update

- First meeting of Manure Treatment Technologies Subgroup (MTTS) held on November 4, 2013.
- Subgroup focused on developing a scope of work for the evaluation of a new proposed agricultural manure treatment technology BMP by a future expert review panel.
- Draft list of technologies being considered by the subgroup:
 - Thermo-chemical treatment of poultry litter (pyrolysis, gasification, and combustion)
 - Aerobic/liquid manure digester
 - Liquid/solid separation
 - Enzyme digestion
 - Anaerobic digestion
 - Phosphorus removal (Struvite, chemical precipitation)
 - Composting
 - Biological N removal
 - Pelletizing
 - Poultry litter treatments for reducing ammonia volatilization and phosphorus solubility (traditional and innovative applications of poultry litter treatments such as alum and sodium bisulfate)

MTT Subgroup Update

- Subgroup preparing partnership survey to determine types of manure treatment technologies to be considered in the scope of work, as well as their priority order for evaluation.
- Results of the partnership survey will be presented during the December AgWG meeting.
- Next meeting scheduled for December 2nd.

Subgroup Updates

Questions or Comments?