

AMS Face-to-Face Meeting

January 28th, 2016

10:00AM-3:00PM

Action and Decision Items

ACTION: Ask Bill Keeling if pasture subgroup reduced direct deposition load on access area by 70% to follow the Virginia TMDL approach?

DECISION: Gary Shenk confirmed there is no delivery factor applied to access area loads; 100% is assumed to be deposited to small streams.

ACTION: The AMS will work with Olivia Devereaux and potentially Tim Garcia to 1) understand if the crop residue percentages from the RUSLE2 runs should be normalized between states and 2) if so, how should they be normalized?

ACTION: Jack Meisinger, Greg Albrecht, and Curt Dell will update the Maximum Legume Fixation Table and add a number for pasture. This group will also review the legume fixation equation.

ACTION: States should review their application goals for leguminous crops.

DECISION: There is not significant legume fixation from urban turf grass. This will be under the purview of the Urban Stormwater Workgroup to develop one, if they deem it necessary.

ACTION: Matt Johnston will work with states to divide up the application results dataset into meaningful parts for the states to review.

DECISION: The AMS would like the Management Board members to organize reviews of Scenario Builder documentation and results within each state.

ACTION: Alisha Mulkey will provide total fertilizer and manure application estimates for 2011 and 2012 from AIR data to compare to Scenario Builder applications.

DECISION: The AMS agreed to retain the manure recoverability fractions provided by USDA NRCS, but replace the N recoverability with only an ammonia volatilization factor and assume all P is recoverable.

DECISION: The AMS agreed to use the MAWP's single-year mineralization rate per animal type for the 1980's applications, and use the 3-year MAWP rates for the 2000's, and interpolate between those two time periods. Horses, sheep, and goats' 3-year mineralization rate will be 0.5.

DECISION: 100% of inorganic, fertilizer P will be considered plant available.

DECISION: If not already done so, emmer, spelt, and triticale crops should have acre-based applications, not yield-based.

DECISION: The AMS agreed to sideline the discussion of multiplying average county crop yields by 110% until a later date.

ACTION: Matt Johnston and Curt Dell will scour the literature to find new maximum uptake values for crops.

ACTION: The Modeling Team will run a scenario to estimate the difference in application rates between a 100% N manure application routine, and a 100% P manure application routine.

DECISION: The distribution of inorganic fertilizer will be done after accounting for all BMPs.

ACTION: Dave Montali and others will find available data on horse manure.