

**NC INTERAGENCY NUTRIENT MANAGEMENT COMMITTEE
MINUTES
March 26, 2009**

Attendees:

NCSU

Deanna Osmond
John Havlin

NCDA&CS

Colleen Hudak-Wise
Brenda Cleveland

DSWC

Vernon Cox

NRCS

Josh Spencer

Discussion Items:

1. Collection of PLAT Data from DWQ: John Havlin expressed interest in the committee collecting and reviewing PLAT data from the Division of Water Quality as a method of assessing the effectiveness of the tool. The committee expressed support for that effort. Vernon Cox agreed to contact Keith Larick with DWQ to initiate data collection.

2. Integrated Nutrient Management Software update: Deanna Osmond updated the group on progress with the integrated nutrient software effort. The objective of this effort is to integrate nutrient management planning software with the NCANAT software. The INMC nutrient management software subgroup (Deanna, Vernon, Josh and Joe Hudyncia) met in early March to go through the software 'screens' to refine content in order for Deanna to go to the programmer with a proposed software prototype. The content of the new software product is now prepared to go to the programmer for a production prototype. Current funding shortfalls will limit the initial software prototype product to sources poultry litter and biosolids. Deanna plans to apply for 2010 EPA 319 funding to complete new software programming to include all needed nutrient sources.

3. Zn-I threshold for organic soil waste application: The committee discussed an issue raised by Dr. Jim Dunphy (NCSU) and Josh Gaddy (Murphy Brown) concerning existing standards for Zinc Indices and application of animal waste materials on organic soils. Currently, the Zn-I threshold level established for 'caution' is 2,000 and prohibition for adding waste materials is 3,000. The question raised by Dr. Dunphy was whether these thresholds should be reconsidered when the application site consists of organic soil types—such as those in Soil Management Group 1. The group consensus is that although no one had experience with Zn and organic soils, a conservative approach should always be taken with metals—including Zn. The group requested that Josh Spencer contact Dr. Dunphy and Josh Gaddy to get more specifics for the situation they reference and return to the committee with more information. Deanna suggested that the proper approach to applying waste materials may be to prohibit application on organic Soil Management Group 1 soil types. The group decided that more information was needed on how prevalent application events were on SMG 1 soils prior to making a decision.

4. 393 Filter Strip standard and WUP specifications: Josh brought to the committee an issue that has arisen with the issuance of the new NRCS standard 393 for Filter Strips. The new standard requires that the filter strip be designed to have a functional lifespan of 10 years, and that in order to ensure this, that sediment accumulation in the filter strip

must not exceed a total of 6 inches over the 10 year period. The filter strip design method included in the new standard involves input of sediment delivery, filter strip width, contributing area to the filter strip, and trapping efficiency. Currently, a specification in the WUP allows application of waste materials on land eroding at up to 9 tons/ac/year if filter strips meeting NRCS standards are in place. In trials with the new practice design method, Josh discovered that it would be very difficult for filter strips to meet the sediment accumulation criteria in the new standard with erosion rates of 8 or 9 tons/ac/year. Thus, it appears as if a change in the WUP specification may need to be made to meet the new filter strip standard. Vernon suggested that the currently allowed erosion rates in the WUP came from the NRCS 590 or 633 standards. Josh said that he would look at the standards and report back to the committee on what he found, and that he would work with Vernon to update the WUP specification if necessary.

5. Update on Waste Utilization Tables: Josh said that due to other priorities, he had been unable to complete work on draft waste utilization tables to be compiled using ASABE animal manure production tables and NCDA analytic waste sample data. He intends to work on drafts prior to the next INMC meeting on May 28. After data table completion, the group will determine how to proceed in implementation.

With no further business, the meeting adjourned at 2:30 PM. The next meeting of the INMC is scheduled for May 28, 1 PM, at the NCDA Agronomic Lab.