

**NC INTERAGENCY NUTRIENT MANAGEMENT COMMITTEE  
MINUTES  
SEPTEMBER 27, 2007**

**Attendees:**

NCSU

Deanna Osmond  
David Crouse

NCDA&CS

David Hardy

DSWC

Vernon Cox

NRCS

Tommy Cutts  
Roy Vick  
Josh Spencer  
Lane Price

Also: Shaun Casteel (NCSU)

**Discussion Items:**

1. Nutrient Mgmt Software Integration: Deanna Osmond, Lane Price, Vernon Cox, and Josh Spencer met briefly prior to the 'official' meeting to discuss how to proceed with the effort to integrate NCANAT and the Nutrient Management software. Deanna has funding for programming available through an EPA 319 grant that must be expended by 9/30/08. She indicated that the current level of funding for this purpose is very unlikely to be available again, so it is important that the effort to integrate proceed fairly rapidly if it has the support of the group. The group agreed that the effort should move forward, and that the objective should be to develop an integrated prototype tool that would then be developed to function with NRCS GIS data layers.
2. 1217 request for sod-based waste application guidance: The group discussed the request from the 1217 Interagency Group for clarification of waste application rates on sod systems. According to Pat Harris (1217 IG Chairperson), there are an increasing number of state inspectors that are finding sod application in waste utilization plans, and there are currently no 1217-sanctioned realistic yields or application rates for sod (fescue, Bermuda, centipede). The group discussed the application rate guidance given by Dr. Charles Peacock (NCSU Turfgrass) on Bermuda sod applications, as well as nutrient transport and overfertilization issues. Deanna and David Hardy noted the severe problems associated with any organic nutrient application to centipede, and the group agreed that centipede sod application should likely not be allowed in waste utilization plans. Deanna volunteered to contact a couple of private consultants with sod experience to see what application rates were being used for sod establishment and maintenance. The group was not prepared to offer recommendations to the 1217 IG for application rates due to the lack of research data that is available, and agreed to discuss again at the next INMC meeting after feedback is received from consultants and members are able to study the issue further.
3. Update on NC Nutrient Mgmt website: David Crouse updated the group on the new NC Nutrient Mgmt website. The site is basically ready to go live pending a few tweaks proposed by members of the Committee. David said once the final version of the site is completed, he would send out a link to members for final review before the site goes online. Crouse noted that the waste data tables were created for the site using Google spreadsheet rather than Excel. The group agreed that the site should go online as soon as possible.
4. Update of NC Waste Data/Generation tables: Shaun Casteel updated the group on his work on updating waste nutrient composition data for tables that are used in developing waste treatments/storage systems and in waste utilization plans. Shaun's data format

was to show sampled nutrient data minimum/maxiums, means, and 95<sup>th</sup> percentile values. Nutrient composition values for liquids and solids were organized by operation type (eg swine effluent, dairy slurry, turkey house litter, broiler house litter). Shaun's data, which analyzed thousands of samples in many cases, showed differences in nutrient composition of waste samples and current waste data table nutrient composition. The group discussed the meaning of the data, and if the tables are updated, which category of the data to use in revisions (mean, 95<sup>th</sup> percentile, max/min). The group also discussed the implications to current and future waste plans if waste data tables are updated to reflect Shaun's data. The group also expressed the need for updating waste produced volumes in any update of the waste data tables. Vernon Cox suggested that John Classen from NCSU BAE be invited to speak to the group on ASABE updated waste volume information at the next meeting. The group also requested that Shaun give the group a report comparing his sample data and the current waste data table information so the 'new' numbers can be put in a perspective that the committee can evaluate to see how to proceed. The committee also agreed that updated tables need to correlate with NCDA waste analysis codes.

With no further business, the meeting was adjourned at 2:30. The next meeting of the INMC will take place on November 29, 2007, 1PM, at NCDA Agronomic Lab.