

Attendees: Joe Hudyncia, Jot Smyth, David Hardy, Colleen Hudak-Wise, Josh Spencer, David Crouse, Keith Larick, Deanna Osmond, Natalie Woolard

Approval of November 19, 2012 minutes.

Review of INMC Approved Manure Characterization

The committee confirmed that there are no changes in the coefficients and concentrations since they were accepted by the INMC previously. The INMC is still committed to hosting a webinar after all tables are approved including the volumes. The purpose of the webinar is to thoroughly explain why changes were and were not made as well as the implications in the field. It is intended to complete this training prior to the effective date of the tables.

It was also discussed to modify the concentration tables as they will be presented on the website by changing the name of the nursery production type to wean to feeder to maintain consistency. Also the wean to finish production type needed to be added. The concentrations for wean to finish will be the same as nursery and feeder to finish production types.

Waste Volume Table Recommendation

G. Grabow and N. Woolard presented the history of how the original waste volume table recommendations were developed per the information they could find. Based on these historical methods, G Grabow used current available data to evaluate any potential differences in waste volumes.

G. Grabow discussed that the 2005 ASABE standard was developed primarily in response to changes in feed formulation (i.e. change in waster chemical characteristics) and not in change of excreted volumes. In addition, adopting the current ASABE standard would not significantly change the current volume values.

The excess water usage numbers were included in the NRCS standards 633 (Waste Utilization) and 359 (Waste Treatment Lagoon) dated 1996. Neither document references how these numbers were calculated or by whom. However, G. Grabow did contact Terri Ruch, NRCS State Engineer to review information they had collected regarding cost-shared installations with metered water as well as excess water usage values recommended by Murphy Brown. G. Grabow did not recommend changing the current values for excess water usage.

The excess rainfall values in NRCS 633 Standard are based on long-term normals (rather than more extreme design recurrence levels) and “back-checking” corroborated reasonable agreement with a third-party analysis. G. Grabow did not recommend decreasing the existing NRCS 633 standard values. It could be argued that the values should be increased to account for above normal years, but a re-analysis would take considerable work and may not result in significant changes.

The INMC concurred to not change the waste volume table data at this time. The historical methodology has now been documented for these values. Therefore, as additional data becomes available in the future this decision can be revisited.

N. Woolard and G. Grabow will draft a document to justify the recommendation to not change the current numbers at this time. This document will be circulated to the committee for comments and will be presented to the 1217 Committee.

The committee approved the approach J. Hudyncia and C. Dunn used to determine volumes for the wean to finish production type. See attached.

NRCS 590 Update Timeline

J. Spencer reported that the standard is 99% complete with an anticipated release date of March 1, 2013. He also highlighted some key aspects of the standard such as the when PLAT is applicable and is not applicable. D. Osmond and D. Crouse expressed appreciation to J. Spencer for his hard work, ability to decipher the National 590 Standard and make it into a standard that is feasible for NC.

There was great discussion on the coordination of releasing the new data tables and the release of the 590 standard. Ideally it would work best if all nutrient data tables were complete and the stakeholder webinar held prior to the release of the standard. The committee still agrees with an effective date of July 1, 2013 for all the tables. However, should the standard be released prior to July 1, the referenced website will have the current 633 numbers listed.

New Nutrient Management Software Update

The INMC discussed the status of the new nutrient management software development. At this time no beta version has been released for the committee to review. It was determined that D. Osmond would contact the programmer and set a deadline date of March 31st, 2013 in which we must have a product to review. If the programming is not complete it was suggested that Rob Austin with NCSU could possibly pick up where the current programmer left off to meet the grant deadline. Another option was to see if NCDA&CS IT had staff that could finish the program. N. Woolard and J. Hudyncia were asked to follow-up with NCDA&CS.

One issue is that the majority of 319 grant funds for this project have been expended. It is unlikely that the 319 program will award similar grants in the future due to the change in their grant criteria. Therefore funds to complete the project may be difficult to obtain.

It was also discussed to pursue the adoption of the Manure Management Planner Software developed by Purdue University and supported by NRCS. There were several questions and hesitations of the group regarding pursuing this option due to the unknown ability of the software to integrate NC specific programs such as NLEW and PLAT. It was decided to learn more about the abilities and limitations of the program to see if it would be an option for NC.

Next scheduled meeting will be March 21st. Standard meeting dates are the third Thursday of every odd month from 1 – 3 p.m, unless otherwise noted.