



Standards Oversight Council (SOC)

Developing effective technical standards that protect Wisconsin's natural resources

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590 Nutrient Management Standard Team

DRAFT MEETING NOTES

Tuesday, June 10, 2014 || 9:00am – 3:00pm
Hancock Ag Research Station

Attendees: Andrew, Pat, Tony, Matt, Todd, Sue, Carrie, Kevin, Laura, Gini, Nikki, Sara

Welcome/Updates

- Interviews for Andrew's position at DNR occurred last week.
- The farmers are harvesting a high tonnage of hay this year so far.
- UW Extension has planted all of their crops. There is some new research beginning this year and one multi-state project regarding Nitrogen mgmt across eight states.

Temperature Data/Map

Carrie followed up with Rick Wayne and Bill Bland regarding an evaluation of the date in fall when manure application can begin. A table was presented that listed the dates when the first 8" of soil depth reached below 50°F. These dates were from 2006 to 2012 from 8 locations across the state. The dates ranged from Oct 2 to Dec 7th. Rick Wayne's conclusion: For a given location, a statistically valid date by which soil temperatures dip below 50°F cannot be identified. Through publications and data from Hancock, they determined what 5-day air temperature could be used to predict when soil temperatures drop below 50°F.

The overall conclusion that the team agreed with is that the September 15th date is too early to prevent risk of runoff. The team agreed to change the date to October 1st for the entire state, and allow application to occur earlier if the farm can document that the 5-day average maximum daily air temperature = 55F or the 5-day average minimum daily air temperature = 40F.

Review of full draft standard

The team began reviewing the full draft standard starting with the Definition and got through V. Criteria A.2.a.

- A minor change in wording was suggested for the purpose to reflect what the standard is capable of doing.
- A few minor additions or review were made throughout the Criteria A text.
- The group will come back to V.A.1.d. after seeing how it fits in with the rest of the standard.
- The team discussed the manure analysis requirement (V.A.1.I.). The team felt comfortable with the two options presented of either testing for 3 consecutive years to establish a baseline, then every four years, or to use book value nutrients according to A2809. There is still debate on having the same requirements for daily haulers versus stored manure. Working with custom haulers may be challenging.

- The group is still debating a 50' or 100' setback from potable drinking wells. Is the setback being used to protect the water from bacteria or N contamination? There is no rigorous science confirming the level of protection with these length of setback.

Next Meeting: Thursday, July 10 at Hancock Ag Research Station

- At the next meeting, the team will start reviewing the standard at V. Criteria A.2.b.

Action Items:

- Pat will check in with Jimmy Bramlett and go over our current draft of the standard.
- Pat will check in with Joe before the next meeting to make sure he is aware of where we're at with the standard.
- Pat will have a conversation with Jimmy Bramlett before the next meeting to review the current status of the 590 standard so far.
- Sara will check with other DATCP staff to see they can incorporate a 5-day min or max air temperature in regards to winter spreading commencement into the Run-off Risk Advisory Forecast webpage.
- Terry, Matt, and Pat will review the definition of permanent vegetative buffers referenced in Criteria A.2.a.1. Confirm association with filter strips, and develop recommendation for leaving wording as use, deleting permanent, using vegetative filter strip, or other phrase.
- Tony will develop a definition for organic sources as referenced in V.A.1.h.
- Carrie will review V.A.1.h.2. to confirm that it is consistent with A2809.
- Carrie will work with NPM office to develop a better bulletin for manure analysis.
- Carrie will create an equation for the analysis of P in biosolids to be listed in the Tech Note.
- Pat will work with Ken to find the sub-watershed topographic maps.
- Everyone should review drafts, particularly V.A.2.a.4 to consider rates.
- Pat, Andrew, and winter spreading group will review and clean up winter spreading section, address Winter Spreading Plan in O & M.

Timeline

- Jul –Continue reviewing draft; More in depth on winter spreading
- Aug – Review draft; EZ format; Tech Note; outreach
- Sep – Prepare draft for initial review and consider process. Review Tech Note.
- Oct – Review results of the review
- Nov – Review draft, prepare for Broad review
- Dec – Broad review
- Jan/Feb – Review results of broad review
- Mar – Final drafting
- Apr – Release of final standard

WI Department of Agriculture, Trade and Consumer Protection • WI Department of Natural Resources •
Natural Resources Conservation Service • University of WI Extension • WI Land & Water Conservation Association

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