



Standards Oversight Council (SOC)

Supporting Technical Standards for Urban and Rural Soil and Water Conservation

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590 Nutrient Management Standard Team

DRAFT MEETING NOTES

Wednesday, March 20, 2013 || 9:00am – 3:00pm

Hancock Ag Research Station - [N 3909 County Highway V, Hancock, WI 54943](#)

Attendees: Tony Smith, Todd Schaumberg, Laura Chern, Carrie Laboski, Pat Murphy, Andrew Craig, Gini Knight, Terry Kelly, Kevin Masarik, Sara Walling, Sue Porter, Matt Zoschke, Joe Bragger, Nikki Wagner, John Koepke

Welcome / Updates / Review agreements

- *March 5 small group meeting review.*
- *Central Sands NM working group, is a group, coordinated by Chris Murphy (Adams County conservationist), meeting to collect stakeholder input on the 590 standard specific to the Central Sands region. Pat, Andrew, and Carrie, along with several producers and Steve Bradley (Portage County conservationist) have been participating and will bring any recommendations to the 590 revision team.*
- *Re-thinking Nutrient Management. In 2011 and 2012, WLWCA and Michael Field Ag Institute launched a series of four meetings of a wide variety of stakeholders to consider the state of NM across the state. The group discussed barriers to widespread NM adoption and compiled a series of recommendations based on the discussed barriers. A few of the top recommendations include 1) Training & Education, 2) Implementing Precision Ag technology, and 3) Exploring a 590 EZ format or a tiered approach for planning on low-risk field. Gini will provide draft recommendation document to team, and check with Jim about any revisions to draft, in particular the three topic areas, before sending.*

Comparison of state and national 590 standards

First, the National Instruction, Title 190, a technical note of standard, was brought up to see if there are any items that need to be addressed in WI standard or tech note. The section 302.2 D (vi) (regarding criteria for PI tools) was mentioned as potentially needing to be addressed by state standard or tech note.

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Team began discussing comparison chart of National and State Standard based on nitrogen management, and noted obvious areas where changes are needed or where more discussion/research is needed before reaching any conclusions. Some of the following points were noted.

- *Nat'l standard lists waste water and irrigation water as source of nutrients, which led to a discussion on industrial waste water regulations. Farmers are held to a different standard than industrial waste facilities. The discussion focused on differences between the 590 standard and the wastewater rules for land spreading and treatment. The implication was that this causes problems for some farmers because the wastewater rules and 590 standard are not consistent. The rules and standards are different. Farmers have to comply with state regulations and county manure storage ordinances requiring proper storage and land application. Wastewater permits include rigorous testing requirements and greater separation distances. DNR staff suggested inviting wastewater program staff to a SOC meeting to discuss specific information about the actual differences and any implications for farmers or others.*
 - *A 2007 white paper called "Industrial Wastewater Land Application" authored by Rick Reichardt, Tom Bauman, Benjamin Benninghoff, Dan Heim, Greg Kester, and Greg Searlen may be a useful resource. As DNR staff suggested, the team may decide to ask a DNR expert to come to a meeting to discuss rules regarding industrial waste water at a later date. The last 590 revision team (2002-2005) also had this discussion.*
- *WI – A.1.b. Consider changing "yield goals to be no higher than 15% above previous 3-5 year average". Farmers prefer not to be restricted by average yield goals.*
- *WI – A.1.c. Recommendation to not reference A2100 since it is now part of A2809 reference.*
- *WI – A.1.c. Clarification is needed regarding the soil sampling protocol. Solution may be more clarification in Tech note. Also, organic producers would like to use other soil testing labs.*
- *WI- A.1.f. Suggestion to add clarity in state standard regarding N rates applied on forage/legumes. Crop removal is not part of A280 but is included in Snap Plus and the 590 Technical Note.*
- *WI – A.1.g – Suggestion to list direct citation to Tech Note.*
- *WI – A.1.h. – Delete reference to A3624, and add A2809. Check Table #, possibly different than 25.*
- *WI A.1.k. & A.2.a.– More discussion on drainage tiles and potential discharge is needed. The configuration of tile varies across the state. Extension paper states that discharge typically occurs within 3-6 hours after application. Farmers have 72 hours to incorporate manure, which means that discharge has potentially already occurred at time of incorporation.*
- *Consider including something on WEPS in Tech Note.*
- *Concern noted that nutrient management plans have taken the place of farm conservation plans. Farmers do not have access to county specific or farm specific winter spreading plans.*

Overview of Updates to A2809

Carrie gave a presentation on the updates to A2809 specifically regarding N, P, and nutrient crediting.

Team Work Structure

The team discussed next steps on how to move forward. We decided to spend some time at each of the next few meetings on background information/research, as well as continue to move forward with exploring specifics that may need to change in 590 state standard. The team agreed to try to schedule meetings once every month for the rest of the year to continue progress with immediate team. Doodle scheduling poll for the rest of the meetings in 2013: <http://www.doodle.com/mhccncx5z7hn59xe>. If we have to reschedule we can.

Draft April 18 agenda

- Morning - Continue comparison of state and national standard. Team to review comparison document and bring forth recommendations to any changes needed to state standards.
- Afternoon
 - Statewide Agriculture Concentration – Review maps showing locations and concentrations of major agricultural industries/uses (20 minutes)
 - Statewide Resource Inventory – groundwater data, climate data, soil conditions, land forms
 - Request to be specific to where the standard is lacking in data
 - Next steps: Review action items and form next meeting agenda

Next Meetings: April 18, May 16, June 11 all at Hancock Ag Research Station.

Action Register

- Gini to check in with Jim about updates to the Re-thinking NM draft recommendations. Once updates are included, we'll post to website.
- All team members should review the Title 190 National Instruction, particularly to see if the state Standard or Tech Note does not meet national. We will check in about Title 190 National Instruction at next meeting.
- Wish List – Prioritize for later. Laura will check to see if DNR experts could come to explain rules regarding industrial waste water, and see if septage is now regulated by DSPS.

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- All team members should review comparison document and identify what is lacking in state standard and give team a recommendation with resources/why. Focus review on whether the state standard meets the national standard.
- Laura, Kevin, and Terry? are providing resources for Resource Inventory discussion at next meeting.
- Sara, Sue, and Pat? are working to compile maps/information on concentrations of ag enterprises across the state.
- Sue will complete comparison of state vs. national standard, looking at entire standard not just N specific areas.

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