



# 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

October 13, 2015 || 9:00am – 3:00pm || Hancock Ag Research Station

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

#### Updates

- Matt Zoschke has transferred to a position with DATCP and will no longer be working for Clarke County.
- Gini Knight accepted a position at NC State University. Her last day at the WI Land+Water office will be November 19<sup>th</sup>.
- NRCS is scheduled to post the new 590 standard to use in their programming in December 2015. Therefore the team must be completed with their work and have a final draft prepared for NRCS in November.

#### Conference Call Review

Although all but two team members were on the Sep 30<sup>th</sup> conference call, the major decisions were reviewed and unresolved topics were further addressed.

- **Well setbacks** – More concerns were raised regarding the setbacks to non-community wells. The largest concern was the increased work in locating these wells and not having them mapped on the 590 restriction maps. There is also more concern regarding new wells being drilled adjacent to fields that are typically spread with manure versus existing wells. Several team members are interested in whether there are restrictions on drilling new wells. DNR will check to see if manure is included as a waste application restriction. Given the increased concerns, the team again comprised and reduced the setback to non-community wells to 100 feet, which is consistent with NR 243.
- **Direct conduits to surface water** – After lengthy debate, the team agreed to not include specific restrictions to direct conduits to surface waters in V.A.2.b. or V.A.2.d. The team agrees other practices may be needed to further protect surface waters, and that it should be considered in the next 590 version after more research has been documented.
- **Emergency Action Plan or emergency response in Plans & Specs** – The language was altered slightly and references included in the Tech Note.

#### Criteria B comments

The comments from Criteria B were reviewed. A consideration regarding more protection for Silurian Dolomite soils was added to the Considerations. Some grammatical changes were included for clarity and consistency based on the comments. For clarity the “surface apply and delay incorporation” for W and P, and R soils was

changed to be consistently 3 days instead of 3 and 7 days. Although there were reasons for the 7 day delay on W soils, the team agreed it would cause greater confusion to have two delay periods.

### **Tech Note comments**

The broad review comments from the Tech Note WI-1 were reviewed and responses created. The section regarding the N Leaching Index will be reduced and instead include a link to the NRCS website for more information and guidance materials regarding the N Leaching Index. Jorge Delgado is scheduled to finalize the N Leaching Index model for Wisconsin by December. Additional resources were added to the Subsurface Drainage section.

### **Adaptive Nutrient Management**

Based on broad review comments and team discussions at the September meeting, Carrie drafted responses and more clear language regarding Adaptive Nutrient Management and options for supplemental N use for crop N deficiencies caused by excessive rainfall. Appendix 3, Guidelines for Adaptive Nutrient Management was also reformatted and organized for better use and clarity.

### **Remaining Standard Review – Criteria C, D, E, Considerations, Plans & Specs, O & M, Definitions**

The team reviewed the comments for Criteria C, D, E, and Considerations. No changes to the current standard were made based on these comments. Based on other team discussions, two additional considerations were included regarding well setbacks (VI.O.) and practices for Silurian Dolomite soils (VI.U.). The previous Consideration O. regarding vertical fracture and tiles was moved to the Tech Note under the subsurface drainage section.

The Plans and Specs bullets regarding tiles were combined, and an indicator to include a North directional arrow was included for the maps. The team reviewed sections VII.A. and VIII.B. for content. The Emergency Action Plan section in VII.A. was revised to refer to appropriate resources now listed in Tech Note WI-1.

The definitions were not changed based on the comments received.

### **Timeline**

- Conference call – Oct 29<sup>th</sup>, 1:30 – 3:30pm, DATCP, Room 266
- Wed, Nov 4 – tentative, if needed.

### **Action Items**

- Judy will help draft the Consideration for increased well setbacks.
- Laura will draft information on locating wells and their associated setbacks for the Tech Note.
- Terry will lead the process to create a website link on the NRCS website that will house the N Leaching Index materials and more information. The Tech Note will be revised once we have this information.

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