

NR 151 TAC Meeting Notes
October 28, 2016
DATCP CR 106

Presenters: Pam Biersach, Mary Anne Lowndes, Sara Walling, Andrew Craig, Bill Phelps.

Attendees: Jordan Lamb, Paul Zimmerman, John Holevoet, Paul Mathewson (sub for Scott Laeser), Raj Shukla, Dean Hoegger, Sarah Gatzke, Colin Geisenhoffer, Scott Mueller (sub for John Ramsden), Davina Bonness, Amy Callis, Mitch Breunig, Tim Strobel, Todd Willer, Nathen Nysse, Roy Lemmenes, Jen Keuning, Amber Radatz (sub for Eric Cooley), Dana Cook (sub for Kevin Erb), Maureen Muldoon, Audrey Boerner.

The meeting began with an opening video message from Cathy Stepp.

Presentation: *'Role and Process of the NR 151 Technical Advisory Committee'*

Information provided to the TAC:

--Website will be updated with materials posted before each meeting and from the meeting. Website is intended to keep TAC informed of the process and transparency.

-- Substitution is allowed but both the TAC member and the substitute need to be informed of each meeting and be prepared for the next meeting.

-- TAC will work toward consensus but not required of an advisory team. Rule process is summarized in 10 major steps at NR 151 website. Timeline is also on website. Goal is to get it submitted to legislature by January 2018.

The TAC scope and sideboards were presented as follows:

- Groundwater focused
- Pathogen based approach
- Combination of practices needed to minimize pathogen movement
- Geologic focus for sensitive areas
- Credible methodology to establish depth to bedrock

Presentation: *'NR 151 and DNR Regulatory Authority'*

-- Mary Anne Lowndes, WI DNR

This presentation provided information on what currently is in NR 151, a description of what ag performance standards are, and also the basis for regulatory authority under s. 281.16, Wis. Stats. A copy of this presentation is available at the NR 151 rule changes website. <http://dnr.wi.gov/topic/nonpoint/nr151strategy.html>

Presentation: *'ATCP 50 and DATCP Regulatory Authority'*
 -- Sara Walling, WI DATCP

This presentation provided information on what currently is in ATCP 50, recent changes to NRCS 590 and how ATCP 50 is being revised to include these changes, and also the basis for regulatory authority under s. 281.16, Wis. Stats. A copy of this presentation is available at the NR 151 rule changes website.

<http://dnr.wi.gov/topic/nonpoint/nr151strategy.html>

Presentation: *'Summary of the Kewaunee Co. Sensitive Areas, BMP Workgroup'*
 -- Andrew Craig, WI DNR

This presentation provided information on the results of the Kewaunee Co. workgroup recommendations. This presentation can be found at the NR 151 rule changes webpage at <http://dnr.wi.gov/topic/nonpoint/nr151strategy.html> .

Presentation: *'Groundwater Conditions in the Carbonate Bedrock Areas of Wisconsin'*
 -- Bill Phelps, WI DNR

This presentation provided information on the bedrock geology of Wisconsin, and susceptibility of the dolomite aquifer, and current regulations addressing pathogen containing waste sources. A copy of this presentation can be found on the NR 151 rule changes website <http://dnr.wi.gov/topic/nonpoint/nr151strategy.html> .

For next meeting (11/15 at GEF 2 G09): The TAC discussed the factors that could be considered in a definition of sensitive areas.

- Thickness of soil
- What is mapping reliability?
- Soil types (presence of macropores, % fines)
- Infiltration rates, rate of movement through soils minimize treatment time, or recharge rate. Work with hydrologic cycle to minimize risk of pathogen from reaching aquifer.
- Depth to groundwater
- Consider topsoil and subsoil type (below topsoil 60" and above rock)
- Weather (saturation or draught), or as a treatment strategy to kill pathogens from exposure to sunlight? How are they killed?
- Proximity to groundwater conduits (position on landscape).
- What is growing on the field, land cover, placing manure into cover crops. Radishes have shown a benefit of trapping manure during runoff.
- How is manure applied? Recommend surface application over injection. Breaking up macropores?
- How many wells are within the area? Well setbacks?
- Animal density

- Inorganic fertilizers
- Is a sensitive area going to be defined area, or are we defining what activities must be implemented, management practices?
- Need to consider multiple options for the farmer for better implementation. Think about more than prohibitions, we need to think about choices for the producer.

The following items are currently in a parking lot for later discussion:

- Request presentation on methods for verifying depth to bedrock, WGNHS is recommended.
- Discussion on quality of soils maps, sensitivity of the data we are using?
- Additional background/presentation on impacts to wells (human, bovine) for entire “horseshoe” UWSP well tracking web tool.
- Amount of liquid in manure, can this be engineered to be reduced?
- Additional background on process of the 590 workgroup? Can information from the process be valuable to this group?
- Summary of the Economic Impact Analysis and whether the TAC will be asked to comment.
- How do we define success of our work?