

**NR 151 Nitrate TAC Notes**  
**February 27, 2020**  
**Natural Resources Building G09**

Attendees: Rick Adamski, Andrew Aslesen, Joe Baeten, Eric Birschbach, Ken Bradbury, Jed Colquhoun, Chase Cummings, Nancy Eggleston, Scott Firlus, Shannon Haydin, Steve Hoffman, Kevin Krentz, Scott Laeser, Kevin Masarik, Donald Maum`, Maureen Muldoon, Sue Porter, Amber Radatz, David Rebut, Mark Riedel, Mike Stanek, David Styer, Tom Sweeny, Michael Tiboris

Presenters: Chris Clayton, Nancy Eggleston, Mike Gilbertson, Jenni Heaton, Sarah Yang, Kevin Masarik, Stan Senger.

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The meeting began with opening messages from DNR Secretary Preston Cole and DNR Assistant Deputy Secretary Todd Ambs.

**Presentation:** *Technical Advisory Committee* – Chris Clayton

The purpose is to make recommendations for the development of targeted performance standards to achieve compliance with nitrate groundwater standards. Draft rule to be developed by fall 2020 and final rule goal is summer 2022.

If TAC members can't make a meeting, please provide a substitute to represent you.

This is a working meeting for the committee and open to the public for attendance.

**Presentation:** NR 151 Ag Performance Standards – Mike Gilbertson

This presentation provided information about the history of the state nonpoint source pollution abatement program and what our current ag performance standards and prohibitions are. The basis for NR 151 regulatory authority is under s. 281.16(3), Wis. Stats. The scope statement for this rule allows for the creation of an agricultural targeted performance standard which would be created in the Agricultural Performance Standards and Prohibitions (subchapter II) of NR 151. A copy of this presentation is available at the NR 151 rule changes for nitrate website:  
<https://dnr.wi.gov/topic/nonpoint/nr151nitrate.html> .

**Presentation:** “*What is ATCP 50 and What Does it Currently Include?*” – Jennifer Heaton-Amrhein

This presentation provided information on what is currently in ATCP 50 including recent changes to incorporate changes in NRCS 590. The basis for regulatory authority is under

s. 281.16(3), Wis. Stats. A copy of this presentation is available at the NR 151 rule changes for nitrate website <https://dnr.wi.gov/topic/nonpoint/nr151nitrate.html> .

**Presentation:** *“Health Effects of Nitrate in Drinking Water”* – Sarah Yang

This presentation provided information on the health effects of nitrate, how nitrate is handled by the body and the United States drinking water standard compared to the drinking water standard in Europe. A copy of this presentation is available at the NR 151 rule changes for nitrate website <https://dnr.wi.gov/topic/nonpoint/nr151nitrate.html>

**Presentation:** *“Nitrate Contamination: A Local Perspective”* – Nancy Eggleston

This presentation provided information about groundwater sampling and measured nitrate concentrations in the groundwater of areas within central Wisconsin. A copy of this presentation is available at the NR 151 rule changes for nitrate website <https://dnr.wi.gov/topic/nonpoint/nr151nitrate.html>

**Presentation:** *“Data on Nitrate in Groundwater and Factors that Determine Groundwater Quality”* – Kevin Masarik

This presentation provided information about the many variables that influence nitrate leaching and impacts to groundwater quality. A nitrate leaching study was conducted in an irrigated field in central Wisconsin. A nitrogen budget calculator tool was developed to estimate leaching loss on cropland. This presentation is available at the NR 151 rule changes for nitrate website <https://dnr.wi.gov/topic/nonpoint/nr151nitrate.html>

**Presentation:** *“DATCP GW Sampling Programs ---Targeted Sampling---”* – Stan Senger

This presentation provided information about DATCP’s groundwater sampling programs, the results comparing random to targeted well sampling in Wisconsin and information they use to target areas for sampling. A copy of this presentation is available at the NR 151 rule changes for nitrate website <https://dnr.wi.gov/topic/nonpoint/nr151nitrate.html>