

NR 151 Technical Advisory Committee
**Meeting #1: Introduction to a Targeted Performance Standard for Nitrate
and Nitrate Groundwater Data**

DNR Central Office, Room G09
Thursday, February 27, 2020

- 9:00 am Introductions
- Opening message from DNR Office of Secretary
- 9:30 am NR 151 Technical Advisory Committee Roles and Process
-- *Chris Clayton, WI DNR*
- Role of the TAC and expectations
 - Goals of Meeting #1:
 - Understand what agricultural and targeted performance standards are and the administrative framework for implementing performance standards.
 - Understand how nitrate presents risks to safe drinking water.
 - Review the data on nitrate groundwater pollution in Wisconsin and understand factors that determine groundwater nitrate pollution.
- 9:50 am What is NR 151 and what does it currently include?
-- *Mike Gilbertson, WI DNR*
- Statutory authority and the requirement for groundwater protections
 - Incorporation by reference of NR 243
 - Targeted performance standards
- 10:20 am **BREAK**
- 10:35 am What is ATCP 50 and what does it currently include?
-- *Jenni Heaton-Amrhein, WI DATCP*
- Most recent revision included the 2015 NRCS 590 standard
 - Future revision to include technical standard for Silurian bedrock area
- 11:05 am Safe Drinking Water: Public Health Concerns and the Water Quality Standard for Nitrate
-- *Sarah Yang, WI DHS*
-- *Nancy Eggleston, Wood County Health Department*
- Acute and chronic public health effects of nitrates in drinking water
 - Water quality standard for nitrate
 - A local perspective illustrating the public health concern
- 12:00 pm **LUNCH**
- 12:45 pm Data on Nitrates in Groundwater and Factors that Determine Nitrate Groundwater Quality
-- *Kevin Masarik, UW-Stevens Point*
- Locations of groundwater nitrate pollution, and data trends and sources
 - Sources of nitrate pollution in groundwater
 - Considerations for defining a targeted area

1:50 pm **BREAK**

2:05 pm DATCP Groundwater Monitoring Programs with a Focus on Targeted Sampling

-- *Stan Senger, WI DATCP*

- Background: DATCP Groundwater Monitoring Types and Why
- Targeted Sampling:
 - Approach explained, area selection considerations
 - Results of targeted vs random sampling

2:50 pm Next Meeting

-- *Chris Clayton, WI DNR*

- Review Draft Meeting #2 Agenda
- Preparation for Meeting #2:
 - What criteria should be considered for defining sensitive areas in a nitrate performance standard?
 - What environmental factors (e.g. weather, saturated soils) should be considered to minimize the risk of nitrate pollution from agriculture?
 - How does our knowledge of N loss and N use efficiency inform our considerations for minimizing the risk of nitrate pollution from agriculture?

3:00 pm **ADJOURN**