

# Groundwater Quality Rules

## Revisions to NR 140

Bruce Rheineck

Groundwater Section Chief

Drinking Water & Groundwater Bureau

Navigation bar with icons for back, forward, and a grid of participants. Names listed: Jim Zellmer, fossd, Bruce. A phone icon is present with the number 14142173342.



Zoom meeting control bar. From left to right: Unmute (muted), Start Video (video off), Invite, Participants (9), Share Screen, Chat (circled in red), Record, Reactions, and Leave Meeting.

Participants list window titled "Participants (9)". It includes a search bar "Find a participant" and a list of participants with their initials and status icons (mute, video, chat). The "Raise Hand" button at the bottom right is circled in red.

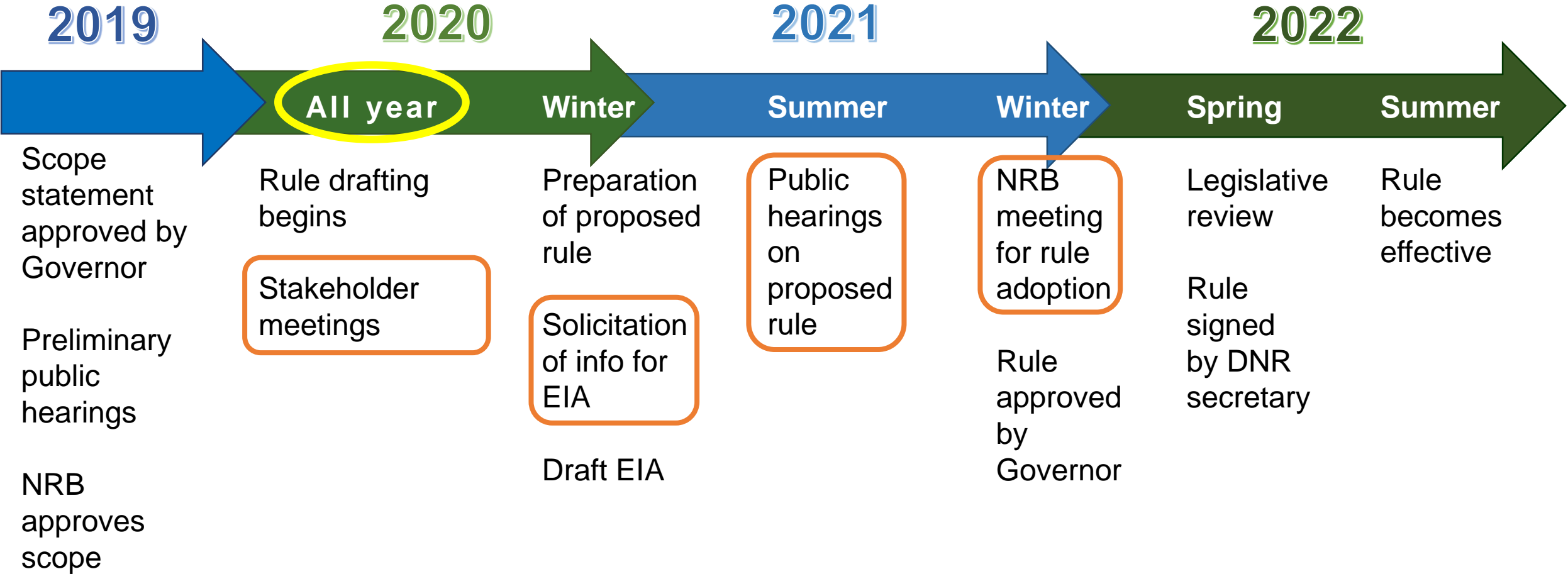
Initials	Name	Mute	Video	Chat
AD	Adam DeWeese (Me)	Muted	Off	Off
BJ	Ben Jaster (Host)	Off	Off	Off
JZ	Jim Zellmer	Muted	Off	Off
MW	Meghan Williams	Muted	Off	Off
F	fossd	Muted	Off	Off
BS	Bart Sponseller	Muted	Off	Off
B	Bruce	Muted	Off	Off
KM	Kristi Minahan	Muted	Off	Off
	14142173342	Muted	Off	Off



# Today's Presentations

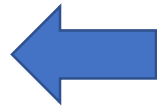
- Introduction – overview of rulemaking timeline (Bruce Rheineck)
- Request for Pesticide groundwater standards (Stan Senger)
- Basis for Recommended groundwater standards (Sarah Yang)
- Comments

# Rulemaking process and timeline



# NR 140 Stakeholder Meetings

- PFAS
  - March 23, 2020
- Metals and Metalloids
  - June 9, 2020
- Volatile organic compounds (VOCs)
  - July 21, 2020
- Pesticides
  - August 25, 2020
- Bacteria
  - September 30, 2020



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DEPARTMENT OF NATURAL RESOURCES

NR 140.03

Chapter NR 140  
GROUNDWATER QUALITY

Subchapter I — General  
NR 140.01 Purpose.  
NR 140.02 Regulatory framework.  
NR 140.03 Applicability.

Subchapter II — Groundwater Quality Standards  
NR 140.10 Public health related groundwater standards.  
NR 140.12 Statistical provisions.

NR 140.16 Monitoring and laboratory data requirements.  
NR 140.20 Evaluation and Response Procedures.  
NR 140.22 Points of standard groundwater standards.  
NR 140.24 Responses when an enforcement action limit is attained or exceeded.  
NR 140.27 Responses when an enforcement standard is attained or exceeded at a location other than a point of standard application.

Subchapter I — General  
NR 140.01 Purpose. The purpose of this chapter is to establish groundwater quality standards for substances detected in resources of the state; to specify scientifically valid procedures for determining if a numerical standard has been attained or exceeded; to specify procedures for establishing points of standard application, and for evaluating groundwater monitoring data; to establish ranges of responses the department may require for receptors for facilities, practices and activities regulated by the department.

History: Cr. Register, September, 1983, No. 337, eff. 10-1-83.

NR 140.02 Regulatory framework. (1) This chapter supplements the regulatory authority elsewhere in the statutes and administrative rules. The department will continue to exercise its powers and duties in those regulatory programs, consistent with the enforcement standards and preventive action limits for substances in groundwater under this chapter. This chapter provides rules, and does not create independent regulatory authority.

(2) The department may adopt regulations which establish specific design and management criteria for regulated facilities or activities, if the regulations will ensure that the regulated facilities or activities will not cause the concentration of a substance in groundwater affected by the facilities or activities to exceed the chapter or a point of standard application. The department may adopt more stringent regulations under authority elsewhere in the statutes based on the best currently available technology for the regulated activities and practices which ensure a greater degree of groundwater protection or when necessary to comply with state or federal laws.

(3) Preventive action limits serve to inform the department of potential groundwater contamination problems, establish the level of groundwater contamination at which the department is required to commence efforts to control the contamination and provide a basis for design and management practice criteria to controlling new releases of contamination as well as to restoring groundwater quality cases of contamination by past releases of contaminants. Although a preventive action limit is not intended to always require remedial action, activities affecting groundwater must be regulated to minimize the level of substances to the extent technically and economically feasible, and to maintain compliance with the preventive action limits unless compliance with the preventive action limits is not technically and economically feasible.

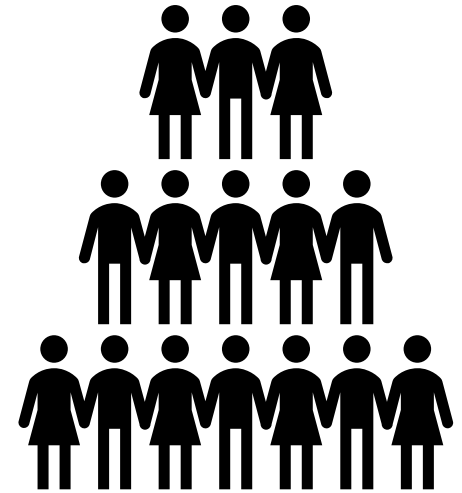
(4) The department may take any actions within the context of regulatory programs established in statutes or rules outside of this chapter.

Published under s. 35.93, Stats. Updated on the first day of each month. Entire code is always current. The Register date on each page is the date the chapter was last published.

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# NR 140 Stakeholder meetings

- Information on upcoming meetings will be on the NR 140 update website.
  - [NR140 rule webpage](#)
- Formal comment period for draft rule will occur in 2021







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- Introduction – overview of rulemaking timeline  
(Bruce Rheineck)
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(Stan Senger)
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(Sarah Yang)
- Comments

# NR 140 Stakeholder meetings

- Pesticides

- Thiamethoxam
- Imidacloprid
- Clothianidin
- Isoxaflutole and degradates DKN & BA
- Thiencarbazone-methyl
- Dacthal TPA & MTP degradates
- Glyphosate and AMPA degradate
- Sulfentrazone





# Questions or Comments

