

# 2022 Health Risk Limits Rules Amendments

## Slide 1



### Slide 1 Title

Health Risk Limits Rules Amendments Public Meeting

### Slide 1 Text and Image Description

Welcome! We will start the meeting soon.

### Summary

This slide was shown as participants logged on to the meeting.

## Slide 2



### Slide 2 Title

2022 Health Risk Limits Rules Amendments

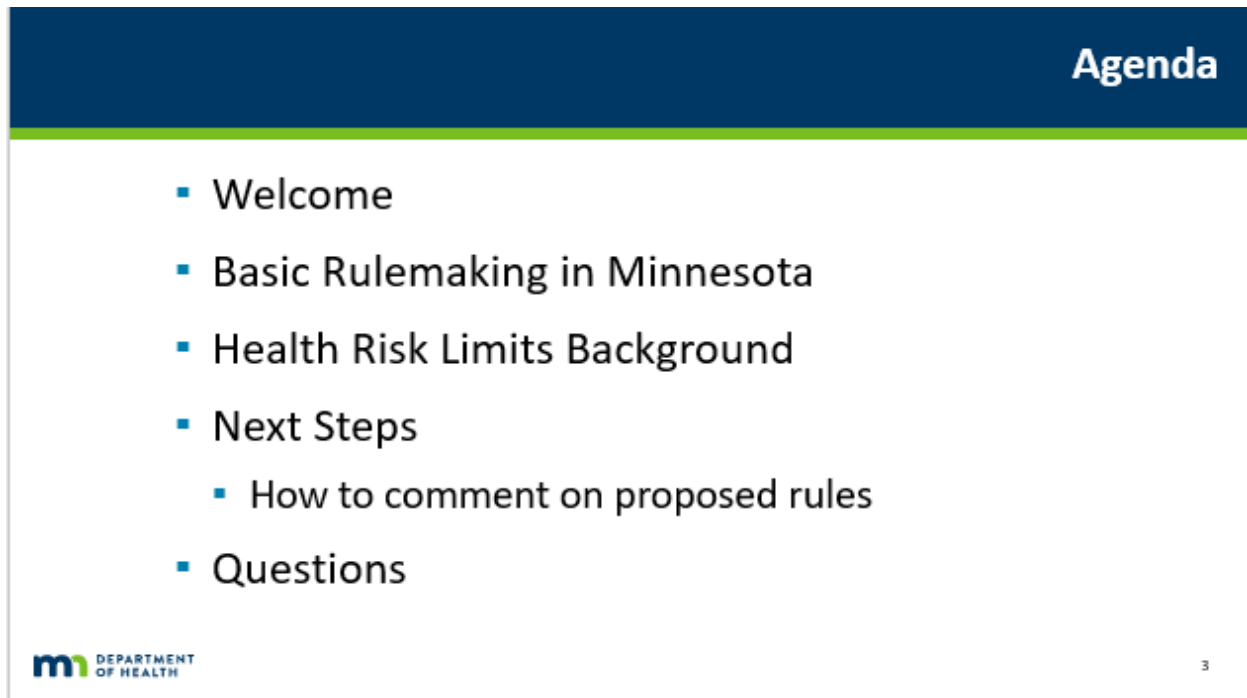
### Slide 2 Image Description

The Minnesota Department of Health logo is in the upper middle of the slide with a dark blue background behind it. Below the title, which is under the logo, the text says, “Health Risk Assessment Unit Staff | February 2, 2022.”

### Summary

This is the opening slide for the presentation. Welcome to all who are attending. We hope the information provided today will answer questions about MDH’s plans for Health Risk Limits rulemaking, and to clarify when comment periods are open and how to comment on the proposed rules.


## Slide 3



The slide features a dark blue header with the word "Agenda" in white. Below the header is a white area containing a bulleted list of agenda items. In the bottom left corner, there is a logo for the Minnesota Department of Health, and in the bottom right corner, the number "3" is displayed.

### Agenda

- Welcome
- Basic Rulemaking in Minnesota
- Health Risk Limits Background
- Next Steps
  - How to comment on proposed rules
- Questions

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## Slide 3 Title

Agenda

## Slide 3 Text and Image Description

- Welcome
- Basic Rulemaking in Minnesota
- Health Risk Limits Background
- Next Steps
  - How to comment on proposed rules
- Questions

## Summary

This slide provides an overview of the meeting agenda and topics that will be covered. Jim Kelly will start off the meeting with introductions.

## Slide 4

### Health Risk Assessment Unit

Staff:

Alex Bogdan, PhD	Sarah Johnson, PhD, Supervisor
Katie Fallace, MPH	Jim Kelly, MS, Manager
Helen Goeden, PhD	
Chris Greene, MS	
Jim Jacobus, PhD	
Kris Klos, PhD	
Nancy Rice, MPH	

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## Slide 4 Title

Health Risk Assessment Unit

## Slide 4 Text and Image Description

Staff:

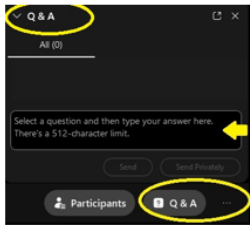
Alex Bogdan, PhD  
Katie Fallace, MPH  
Helen Goeden, PhD  
Chris Greene, MS  
Jim Jacobus, PhD  
Kris Klos, PhD  
Nancy Rice, MPH  
Sarah Johnson, PhD, Supervisor  
Jim Kelly, MS, Manager


## Summary

Staff of the Health Risk Assessment Unit were introduced by Jim Kelly during the meeting. Jim Kelly also provided a welcome to the attendees.

## Slide 5


### Meeting information





If you have questions or comments during the meeting, please:

- Submit them in the Q&A area during or after the presentation, OR
- After the presentation, please raise your hand

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### Slide 5 Title

Meeting information

### Slide 5 Text and Image Description

A screen shot of the Q & A area on the virtual meeting platform screen is shown circled in yellow. Below the screen shot, the text says, “If you have questions or comments during the meeting, please: Submit them in the Q&A area during or after the presentation, OR...”


A screen shot of the Raise hand area on the virtual meeting platform is shown circled in yellow. Below the screen shot, the text says, “After the Presentation, please raise your hand.”

### Summary

This slide provides information about how to ask questions or provide feedback during the meeting.

## Slide 6

### Rulemaking Process



The flowchart illustrates the rulemaking process. It begins with a vertical sequence of four boxes: 'Governor's Office Preliminary Review', 'Request for Comments January 19, 2021', 'Rules and SONAR Development', and 'Notice of Intent to Adopt Rules'. A brown arrow points from the left towards the 'Rules and SONAR Development' box. Below the 'Notice of Intent to Adopt Rules' box, two boxes branch out horizontally: 'Public Hearing' on the left and 'No Hearing' on the right. Below these two boxes, the process continues with a vertical sequence of three boxes: 'Administrative Law Judge Review', 'Governor's Office Review', and 'Adopt Rules' (which is enclosed in an oval).

- Administrative Procedure Act (Minnesota Statutes, Chapter 14)
- Minnesota Administrative Rules (Minnesota Rules, Chapter 1400)
- Request for comments published January 19, 2021
- Currently developing Rules and SONAR

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### Slide 6 Title

Rulemaking Process

### Slide 6 Text and Image Description

On the left side of the screen, there is a flow chart with four rectangles in a vertical line (above and below each other), followed by two rectangles diagonally below from the fourth rectangle (one to the left and to the right). Below the two offset rectangles, there are two additional rectangles in vertical alignment with the top four, followed by an oval. The rectangles each contain text, as follows:

First rectangle: Governor's Office Preliminary Review

Second rectangle: Request for Comments, January 19, 2021

Third rectangle: Rules and SONAR development

Fourth rectangle: Notice of Intent to Adopt Rules

Fifth rectangle (to the left): Public Hearing

Sixth rectangle (to the right): No Hearing

Seventh rectangle: Administrative Law Judge Review

Eighth rectangle: Governor's Office Review

Oval: Adopt rules

To the right of the flow chart, there is text:

- Administrative Procedure Act (Minnesota Statutes, Chapter 14)
- Minnesota Administrative Rules (Minnesota Rules, Chapter 1400)
- Request for comments published January 19, 2021

- Currently developing Rules and SONAR

## Slide 6 Summary

In Minnesota, rulemaking is governed by statute and by rule. The Administrative Procedure Act provides the overview of rulemaking requirements that state agencies must follow, and the Minnesota Administrative Rules provide more detail. On the screen is an image of a flow chart that reflect major steps in the rulemaking process. The first step is to contact the Governor's Office to notify them about the plans for rulemaking. The Governor's office informs the agency if there are any major concerns. If there are not, the next step is to publish the Request for Comments. MDH published the request for comments on January 19, 2021. This comment period still open and MDH is accepting comments.

The next steps are to develop the Draft Rules and Statement of Need and Reasonableness (SONAR). This is the step where MDH is currently. The Draft Rules are at the Revisor's Office to be updated, and the SONAR is being reviewed. The SONAR contains detailed information about the contaminants and the water guidance values being proposed for rule, as well as information about why MDH believes the adopting the guidance values in Minnesota rule is needed and reasonable. When these documents have been reviewed and approved, we will post them on our website.

The next steps involve the formal comment and review phases of the rulemaking process. They are covered later in the presentation.


## Slide 7

**Health Risk Limit Definition**

**Health Risk Limit (HRL)**

The concentration of a contaminant, or mixture of contaminants, in water that is likely to pose little or no risk to human health, including vulnerable subpopulations, if consumed for one day or up to a lifetime.

Expressed as micrograms per liter ( $\mu\text{g}/\text{L}$ )

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### Slide 7 Title

Health Risk Limit Definition

### Slide 7 Text and Image Description

Health Risk Limit (HRL)

The concentration of a contaminant, or mixture of contaminants, in water that is likely to pose little or no risk to human health, including vulnerable subpopulations, if consumed for one day or up to a lifetime.

Expressed as micrograms per liter ( $\mu\text{g}/\text{L}$ )

### Slide 7 Summary


The slide provides the definition of a Health Risk Limit as provided in the text above.



## Slide 8

**Health Risk Limits Use**

- Use of Health Risk Limits
  - Used for evaluating the quality of groundwater for human consumption
  - Other state agencies and local agencies, MDH
  - The Health Risk Assessment Unit does not enforce application of HRLs

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### Slide 8 Title

Health Risk Limits Use

### Slide 8 Text and Image Description


- Use of Health Risk Limits
  - Used for evaluating the quality of groundwater for human consumption
  - Other state agencies and local agencies, MDH
  - The Health Risk Assessment Unit does not enforce application of HRLs

### Summary


What are Health Risk Limits used for? Health Risk Limits are used for evaluating the quality of groundwater for human consumption. Other state agencies and local agencies are usually the organizations that implement Health Risk Limits, though at times Minnesota Department of Health has used them. While the Health Risk Assessment Unit creates the water guidance values, the Unit does not enforce application of the Health Risk Limits.

## Slide 9

# Health Risk Limit Rules



- Authorization: Groundwater Protection Act, 1989
- Minnesota Statutes 103H.201, Subdivision 1 (a):  
“If groundwater quality monitoring results show that there is a degradation of groundwater, the commissioner of health may promulgate health risk limits under subdivision 2 for substances degrading the groundwater.”
- Subd. 2 (a):  
“Health risk limits shall be adopted by rule.”

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### Slide 9 Title

Health Risk Limits Rules

### Slide 9 Text and Image Description

Authorization: Groundwater Protection Act, 1989

Minnesota Statutes 103H.201, Subdivision 1 (a):

“If groundwater quality monitoring results show that there is a degradation of groundwater, the commissioner of health may promulgate health risk limits under subdivision 2 for substances degrading the groundwater.”

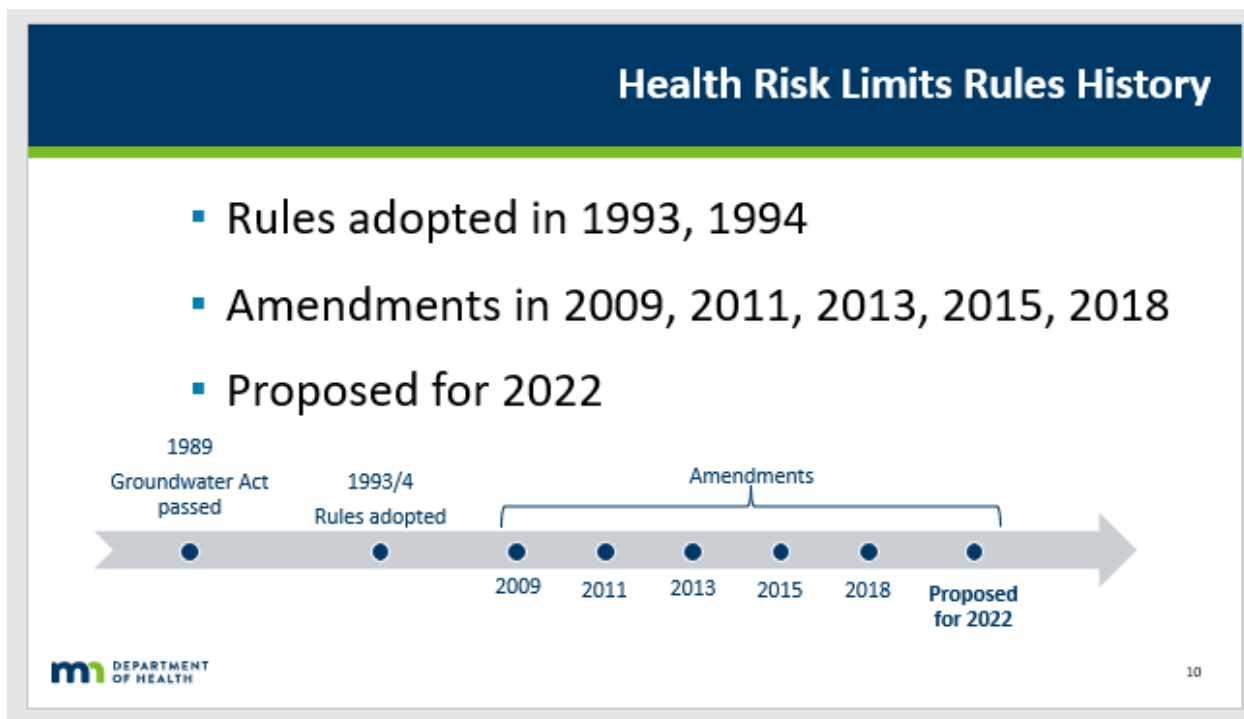
Subd. 2 (a):

“Health risk limits shall be adopted by rule.”

### Summary

The authorization for the Health Risk Limit Rules comes from the Groundwater Protection Act of 1989. Minnesota Statutes 103H.201, Subdivision 1 (a) says, “If groundwater quality monitoring results show that there is a degradation of groundwater, the commissioner of health may promulgate health risk limits under subdivision 2 for substances degrading the groundwater.” Subdivision 2(a) says, “Health Risk limits shall be adopted by rule.”

## Slide 10



### Slide 10 Title

Health Risk Limits Rules History

### Slide 10 Text and Image Description

Rules adopted in 1993, 1994

Amendments in 2009, 2011, 2013, 2015, 2018

Proposed for 2022

The slide has an image of a timeline showing the dates of the 1989 Groundwater Act passage, the 1993/1994 rules adoption, and the Amendments in 2009, 2011, 2013, 2015, 2018, and the proposed 2022 rules.

### Summary

After adoption of the Groundwater Protection Act of 1989, MDH began adopting values into rule. The first set was adopted in 1993, followed by another set in 1994. Since then, there have been amendments adopted in 2009, 2011, 2013, 2015, and 2018. The 2009 amendment involved adoption of methodology for deriving durational guidance. MDH plans to propose more rule amendments in 2022.

## Slide 11



### Slide 11 Title

How Health Risk Limits Are Made

### Slide 8 Text and Image Description

A series of chevrons shows the progression from Nominations to Prioritization to Guidance Creation to HRL Promulgation.


### Summary

This is a title slide for the next section that describes how Minnesota Department of Health selects contaminants to derive water guidance value for and that then may be proposed as Health Risk Limits.

## Slide 12

### Chemicals Considered for Review

- Nominations for chemicals to review for guidance creation come from two sources:
  - **Contaminants of Emerging Concern (CEC) initiative**
    - Accepts nominations from anyone
  - **Health Risk Limits program**
    - Specifically from other MN State agencies

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### Slide 12 Title

Chemicals Considered for Review

### Slide 12 Text and Image Description

- Nominations for chemicals to review for guidance creation come from two sources:
  - Contaminants of Emerging Concern (CEC) initiative
    - Accepts nominations from anyone
  - Health Risk Limits program
    - Specifically, from other MN State agencies

### Summary

We begin with the question of how Health Risk Assessment Unit decides which chemicals out of the vast chemical universe to create guidance for? Well, our process is nomination based thankfully and there are two streams of contaminant nominations coming into the Health Risk Assessment Unit.

The first stream of nominations is open to everyone. There is a nomination form on the Minnesota Dept of Health website where after providing a couple pieces of information, anyone can submit a nomination for a contaminant.

## SLIDES FROM THE HEALTH RISK LIMITS RULES PUBLIC MEETING, 2/2/2022


The second stream of nominations comes from MN state agencies—so often Minnesota Department of Agriculture or Minnesota Pollution Control Agency submit nominations for contaminants for which they would like guidance developed or updated.

You can see on this slide that these two streams of nominations are listed under two different programs that exist within the Health Risk Assessment Unit.

The staff in HRA work as a team overall but fall into one of these two programs within HRA the Contaminants of Emerging Concern initiative and the Health Risk Limit program. Staff in the CEC initiative lead chemical reviews selected from the public pool of nominations and the Health Risk Limit staff lead reviews for contaminants nominated by MN state agencies.


## Slide 13

### Chemical selection for review - CEC



#### CEC initiative

- Toxicological review
- Exposure review
- Public input
- Selection of chemicals with highest concern

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### Slide 13 Title

Chemicals Selection for review - CEC

### Slide 13 Text and Image Description

CEC initiative

- Toxicological review
- Exposure review
- Public input
- Selection of chemicals with highest concern

### Summary

The next two slides cover how the nominations are prioritized for guidance creation in the two Health Risk Assessment Unit programs starting with the CEC or Contaminants of Emerging Concern Initiative.

Nominations for chemical review under this program may be submitted by anyone, including the public, non-governmental organizations, business, or government agencies. Nominations are accepted on a rolling basis and the nomination form is available on our website year-round. At least once a year staff in HRA collect toxicity data and exposure/occurrence data along with other relevant data like bioaccumulation potential and combine that information into a score. Those scores are then used to rank the nominations (current and previous) and determine those of highest concern.

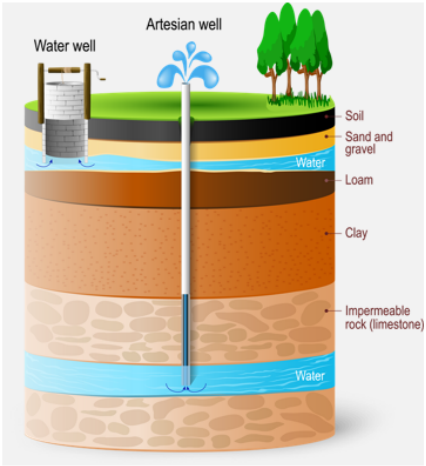
## SLIDES FROM THE HEALTH RISK LIMITS RULES PUBLIC MEETING, 2/2/2022

The results of the prioritization or ranking of the chemicals are shared at an annual public meeting that is open to all interested parties. The top scoring contaminants are also presented in a proposed workplan for the next fiscal year and public input is invited and considered before finalizing the workplan.



## Slide 14


### Chemical selection for review- HRL



The diagram illustrates the geological layers of the ground beneath the surface. From top to bottom, the layers are: Soil, Sand and gravel, Water (groundwater), Loam, Clay, Impermeable rock (limestone), and Water (groundwater). A Water well is shown on the left, and an Artesian well is shown on the right, with water gushing out of the top. The diagram also shows trees and a grassy surface above the ground.

#### HRL program – groundwater

- Agency submit nominations once per year
- MDH makes preliminary evaluations
- Final prioritization is made during an interagency meeting

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## Slide 14 Title

Chemicals Selection for Review - HRL

## Slide 14 Text and Image Description

An image on the left of the screen illustrates geological layers of the ground beneath the surface. Near the top and the bottom of the image are examples of groundwater.

HRL program – groundwater

- Agency submit nominations once per year
- MDH makes preliminary evaluations
- Final prioritization is made during an interagency meeting

## Summary

Chemicals nominated to the other program—the Health Risk Limit program – in contrast to the CEC program must be from other state agencies AND must have been detected in groundwater.

Nominations are collected from MN state agencies once a year. Then the nominated chemicals are evaluated using toxicological and occurrence/exposure information but also agency need. A proposed workplan is presented at an annual interagency meeting. Following a discussion with state agency stakeholders a finalized workplan is created for the next fiscal year.

So, both of the programs, Health Risk Limit and Contaminants of Emerging Concern, will have annual workplans that result from annual meetings where the relevant stakeholders can provide input.


## Slide 15

### Guidance Creation & Health Risk Limits

[Human Health-Based Water Guidance Table](#)

CAS Number	Chemical	Value Type	Exposure Duration	Value (µg/L)	Health Endpoint(s)
50-32-8	Benzo(a)pyrene <a href="#">Toxicological Summary for Benzo(a)pyrene (PDF)</a> <a href="#">Information Sheet: Benzo(a)pyrene and Groundwater (PDF)</a>	HBV <sub>20</sub>	Acute	ND	--
			Short-term	0.5	Developmental; Nervous system
			Subchronic	0.5*	Developmental; Nervous system
			Chronic	0.5*	Developmental; Nervous system
			Cancer	0.1	Cancer

- Guidance calculated by Health Risk Assessment Unit
  - Methods set in Minnesota Rule (Minnesota Rules 4717.7850)
  - Health-Based (only)
  - Posted on MDH’s website as Health-Base Values (HBVs)
- HRLs must be detected in Minnesota groundwater


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## Slide 15 Title

Guidance Creation and Health Risk Limits

## Slide 15 Text and Image Description

This slide shows an image of a entry for benzo[a]pyrene from the [Human Health-Based Water Guidance Table \(https://www.health.state.mn.us/communities/environment/risk/guidance/gw/table.html\)](https://www.health.state.mn.us/communities/environment/risk/guidance/gw/table.html) and the right side.

- Guidance calculated by Health Risk Assessment Unit
  - Methods set in Minnesota Rule (Minnesota Rules 4717.7850)
  - Health-Based (only)
  - Posted on MDH’s website as Health-Base Values (HBVs)
- HRLs must be detected in Minnesota groundwater

## Summary

The next step in this process is for HRA staff to select a chemical from either of the CEC or HRL workplans depending on the program they’re part of and start the review for that chemical.

Our chemical review methodology is the same for chemicals evaluated in the CEC and HRL programs and is laid out in Minnesota Rule. It incorporates information from animal toxicity and epidemiological studies as well as other relevant information from exposure, absorption, and metabolism studies for example, to produce multi-duration

health-based guidance values. Importantly, these guidance values do not consider other non-health related factors, such as cost or feasibility.

Guidance values for the contaminant are then posted to the website as HBVs or Health based values. On the left is a screen shot of the Health Based Value Table entry for benzo[a]pyrene. There is summarized information presented about the chemical identity and associated guidance values with links for more details if desired.

If the contaminant is detected in MN groundwater it is eligible to be put into rule as a Health Risk Limit per statute—it does not matter if the CEC or HRL program led the review for the chemical only it's presence in groundwater matters. Some contaminants will be listed as an HBV in this table before they go through rulemaking and then they would be listed as a Health Risk Limit. However, not all HBVs will necessarily be eligible to become an HRL, because not all will necessarily be found in MN groundwater.

Some reviews result in a third type of guidance called Risk Assessment Advice and these values are usually not eligible for rulemaking.

And to reiterate this point again-- HRA unit does not implement or enforce HRLs, HOWEVER other units in MDH or other state or local agencies may decide to implement or enforce HRLs.

## Slide 16



**Current Proposed Health Risk Limit Rules**

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### Slide 16 Title

Current Proposed Health Risk Limit Rules

### Slide 16 Text and Image Description

A young girl holds her hand under a running water stream at the kitchen sink in a home while an adult stands beside her. A glass of drinking water that the girl filled sits near the sink.

### Summary

This slide introduces the next section of the presentation, which discusses the contaminants in the current proposed rules.

## Slide 17

### Chemicals Included in Proposed Amendments

- 35 chemicals included in proposed rules
  - 15 with no previous MDH HRL
  - 20 with previous MDH HRLs (updated)
- Guidance values developed between 2013 and 2021
- Updated water intake rates from U.S. EPA (2019)
- Statute change in 2021 allows MDH to use cancer slope factors other than those derived by U.S. Environmental Protection Agency. (Minnesota Statutes, 103H.201 Subdivision 2 (b))

## Slide 17 Title

Chemicals Included in the Proposed Rules

## Slide 17 Text and Image Description

- 35 chemicals included in proposed rules
  - 15 with no previous MDH HRL
  - 20 with previous MDH HRLs (updated)
- Guidance values developed between 2013 and 2021
- Updated water intake rates from U.S. EPA (2019)
- Statute change in 2021 allows MDH to use cancer slope factors other than those derived by U.S. Environmental Protection Agency. (Minnesota Statutes, 103H.201 Subdivision 2 (b))

## Summary

There are currently 35 groundwater contaminants that are on the list for the proposed rule amendments. Fifteen of the contaminants do not have previous HRL values, the other 20 contaminants already have HRLs that need to be updated in rule. The guidance values on the list for the proposed rules this time were developed between 2013


and 2021. All of the values now incorporate an updated intake rate from US Environmental Protection Agency (EPA). Intake rates are an estimation, created by EPA, of the amount of water that Americans consume on average.

Before 2021, MN status allowed MDH to use only cancer slope factors derived by US EPA. A statute change in 2021 now allows MDH to also consider cancer slope factors derived by other agencies as well. This allows MDH to derive guidance when EPA does not have a cancer slope factor for a chemical, or choose more relevant cancer slope factors.

## Slide 18

### Current List of Contaminants (subject to change)

Acetone Benzo[a]pyrene* Benzophenone* 1H-Benzotriazole* 1,1'-Biphenyl Bromodichloromethane 1,4-Dichlorobenzene trans-1,2-Dichloroethene 1,1-Dichloroethylene (Vinylidene chloride) 1,2-Dichloropropane 17 $\alpha$ -Ethinylestradiol* Ethylbenzene Ethylene Glycol	Fluorene (9H-Fluorene) Fomesafen* Imidacloprid* Manganese Metolachlor and s-Metolachlor Metolachlor ESA Metolachlor OXA Nonylphenol* 4-tert-Octylphenol* Perfluorobutane sulfonate (PFBS) Perfluorohexane sulfonate (PFHxS)*	Perfluorohexanoate (PFHxA)* Perfluorooctane Sulfonate (PFOS) Quinoline* Tetrachloroethylene (PERC or PCE) Toluene 1,2,3-Trimethylbenzene* 1,2,4-Trimethylbenzene* 1,3,5-Trimethylbenzene Tris(2-butoxyethyl) phosphate (TBEP)* Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)*
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### Slide 18 Title

Current List of Contaminants (subject to change)

### Slide 18 Text and Image Description

Acetone Benzo[a]pyrene* Benzophenone* 1H-Benzotriazole* 1,1'-Biphenyl Bromodichloromethane 1,4-Dichlorobenzene trans-1,2-Dichloroethene 1,1-Dichloroethylene (Vinylidene chloride) 1,2-Dichloropropane 17 $\alpha$ -Ethinylestradiol* Ethylbenzene Ethylene Glycol	Fluorene (9H-Fluorene) Fomesafen* Imidacloprid* Manganese Metolachlor and s-Metolachlor Metolachlor ESA Metolachlor OXA Nonylphenol* 4-tert-Octylphenol* Perfluorobutane sulfonate (PFBS) Perfluorohexane sulfonate (PFHxS)* Perfluorohexanoate (PFHxA)* Perfluorooctane Sulfonate (PFOS)	Quinoline* Tetrachloroethylene (PERC or PCE) Toluene 1,2,3-Trimethylbenzene* 1,2,4-Trimethylbenzene* 1,3,5-Trimethylbenzene Tris(2-butoxyethyl) phosphate (TBEP)* Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)* Xylenes * No previous HRL
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### Summary

A list of 35 chemical contaminants being considered for proposed rule. The asterisks indicate which chemicals have no previous Health Risk Limit. Health-based guidance values are available on the MDH webpage at [Health Risk Limits Rules Amendments - Contaminants](https://www.health.state.mn.us/communities/environment/risk/rules/water/chemicals.html) <https://www.health.state.mn.us/communities/environment/risk/rules/water/chemicals.html> as of February 2022.

## Slide 19

### Rulemaking Process Status

```

    graph TD
      A[Governor's Office Preliminary Review] --> B[Request for Comments January 19, 2021]
      B --> C[Rules and SONAR Development]
      C --> D[Notice of Intent to Adopt Rules]
      D --> E[Public Hearing]
      D --> F[No Hearing]
      E --> G[Administrative Law Judge Review]
      F --> G
      G --> H[Governor's Office Review]
      H --> I(Adopt Rules)
  
```

- Next steps
  - Notice of Intent to Adopt Rules, estimated Summer 2022
    - **30 day comment period begins with Notice of Intent**
  - Hearing
  - Administrative Law Judge Review

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### Slide 19 Title

Rulemaking Process Status

### Slide 19 Text and Image Description

The rulemaking flowchart from slide 6 is presented again on the left side of the slide. On the right, there is text stating:

- Next steps
  - Notice of Intent to Adopt Rules, estimated Summer 2022
    - **30 day comment period begins with Notice of Intent**
  - Hearing
  - Administrative Law Judge Review

### Summary

The next step in the rulemaking process will be to publish the Notice of Intent to Adopt Rules. When the Notice of Intent to Adopt Rules is published, there will be a limited time to comment in writing on the rules. The comment period will be a minimum of 30 days. The comments received will become part of the official rule record and be sent to the Administrative Law Judge. There will also be an opportunity to request a hearing. If there are 25 or more people who request a hearing, we will hold a hearing. Whether there is a hearing or not, all of the comments received during the Notice of Intent to Adopt Rules comment period and all of the agency's material will be sent to




an Administrative Law Judge for review. If the Administrative Law Judge approves the rules, the Governor's Office will have an opportunity to veto the rules or to let them proceed. The Governor's Office allows the rules to proceed, MDH will complete the final steps to adopt the rules.

## Slide 20

### How to Comment on Rules

- **Request for Comments:**
  - Anyone can submit comments by email, mail, or phone call at any time.
  - **Early comments are better** because MDH can consider making changes or reviewing new studies.
- **Notice of Intent:**
  - Written comments received during the Notice of Intent comment period will be entered into the rule record (minimum of 30 days). Other comments are not officially in the record, but useful for MDH to consider.


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### Slide 20 Title

How to Comment on Rules

### Slide 20 Text and Image Description

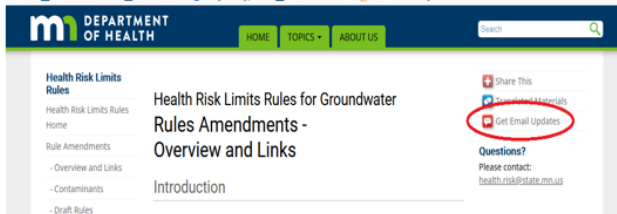
- Request for Comments:
  - Anyone can submit comments by email, mail, or phone call at any time.
  - Early comments are better because MDH can consider making changes or reviewing new studies.
- Notice of Intent:
  - Written comments received during the Notice of Intent comment period will be entered into the rule record (minimum of 30 days). Other comments are not officially in the record, but useful for MDH to consider.

### Summary

Comments are accepted at any time from anyone and are appreciated. Comments can be submitted by email, mail or orally by phone call or virtual meeting. In-person meetings are limited during the COVID response. Comments submitted earlier in the process will allow MDH to consider them before proposing the Notice of Intent to Adopt Rules. Written comments submitted during the Notice of Intent comment period are entered into the rule record and submitted to the Administrative Law Judge. If you have submitted comments during the Request for Comments time period and would like them to be part of the rulemaking record, please re-submit them during the Notice of Intent to Adopt Rules time period.

## Slide 21


# Notice of Intent Comment Period



The screenshot shows the MDH website interface. The main heading is 'Health Risk Limits Rules for Groundwater Rules Amendments - Overview and Links'. On the right side, there are social media sharing options and a 'Get Email Updates' button, which is circled in red. Below that is a 'Questions?' section with contact information for health.risk@state.mn.us.

### Notice of Intent to Adopt Rules

- Announced:
  - State Register
  - GovDelivery (subscription email service)
  - MDH Website
- Stricter timeline: usually 30 days
- Comments must be in writing
  - Comments become part of official record
  - Sent to the Administrative Law Judge


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## Slide 21 Title

Notice of Intent Comment Period

## Slide 21 Text and Image Description

A screen shot of the [Rules Amendment- Overview and Links](#) webpage is shown on the left side of the screen, with the Get Email Updates icon on the right upper side of the webpage circled in Red.

### Notice of Intent to Adopt Rules

- Announced:
  - State Register
  - GovDelivery (subscription email service)
  - MDH Website
- Stricter timeline: usually 30 days
- Comments must be in writing
  - Comments become part of official record
  - Sent to the Administrative Law Judge

## Summary

The best way to receive notification of when the Notice of Intent to Adopt Rules is published is to sign up for the GovDelivery subscription email service on the Rules Amendments – Overview and Links page. The Notice will also be published in the Minnesota State Register and posted on the MDH Website. We emphasize that there is a

limited time for commenting, and the comments submitted during this time will become part of the official rule record.

## Slide 22

**Resources**

- **HRL Rules webpage**  
<https://www.health.state.mn.us/communities/environment/risk/rules/water/overview.html>
- **Contact information**
  - Email: [Health.Risk@state.mn.us](mailto:Health.Risk@state.mn.us)
  - Phone: 651-201-4899
  - Mail:  
Nancy Rice  
Health Risk Assessment Unit  
Minnesota Department of Health  
P.O. Box 64975  
St. Paul, MN 55164-0975

**HRL Rule Amendments Information**

- Contaminants
- Draft Rules
- Request for Comments
- Public Meeting
- Rulemaking and Guidance
- History

**mi** DEPARTMENT OF HEALTH

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## Slide 22 Title

Resources

## Slide 22 Text and Image Description

HRL Rules webpage [Rules Amendments – Overview and Links](https://www.health.state.mn.us/communities/environment/risk/rules/water/overview.html)

<https://www.health.state.mn.us/communities/environment/risk/rules/water/overview.html>

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The right side of the screen shows a screen shot of the links on this page for Contaminants, Draft Rules, Request for Comments, Public Meeting, and Rulemaking and Guidance History

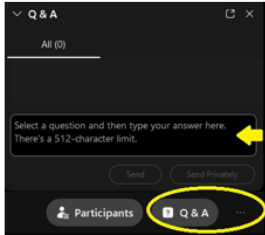
## Summary

This slide provides information related to the rules and illustrates where the links are located.

## Slide 23


# Thank you! Questions?





- Please raise your hand, or
- Type into the Q & A area

For chemical-specific questions,  
please email us at:  
[Health.risk@state.mn.us](mailto:Health.risk@state.mn.us)  
Or call: 651-201-4899



### Slide 23 Title

Thank you! Questions?

### Slide 23 Text and Image Description

A screen shot shows how to raise a hand in the virtual meeting. Another screen shot shows how to type a question in the Q & A area.

Please raise your hand, or  
Type into the Q & A area

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Or call: 651-201-4899

### Summary

This slide provides information about how to ask questions during the virtual meeting.

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