

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

STATE OF MINNESOTA
OFFICE OF ADMINISTRATIVE HEARINGS
FOR THE MINNESOTA DEPARTMENT OF HEALTH

In the Matter of the Minnesota Department of Health's
Proposed Amendments to Rules Governing Health Risk Limits
for Groundwater, Minnesota Rules, Chapter 4717.

OAH DOCKET NO. 5-9000-38941

Met electronically via WebEx at 9:30 a.m.
on April 6, 2023.

BEFORE: Judge James Mortenson

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

I N D E X

SPEAKER/EXHIBITS	PAGE
Judge Mortenson Intro	3
Sarah Fossen Johnson, MDH	13

1 JUDGE MORTENSON: All right. I have 9:30,
2 so we're going to convene this public rulemaking
3 hearing.

4 Good morning, all. My name is Jim
5 Mortenson. I'm an Administrative Law Judge with the
6 Minnesota Office of Administrative Hearings. And I
7 want to welcome you this morning and thank you for
8 taking your time to be here today to participate in
9 this public rulemaking process.

10 Today is Thursday, April 6, 2023. It's
11 9:30 a.m. and we're here for a public hearing In the
12 Matter of the Minnesota Department of Health's
13 Proposed Amendments to Rules Governing Health Risk
14 Limits for Groundwater. These are Minnesota Rules
15 Chapter 4717. Specifically, these proposed rules
16 govern the limits of certain chemicals in
17 groundwater for the purpose of guiding state
18 agencies and local authorities with enforcement
19 authority over groundwater contamination, such as --
20 these include agencies such as the Department of
21 Agriculture, the Pollution Control Agency, and other
22 state and local agencies. The proposed rule is
23 assigned Revisor's ID Number 4587. This matter is
24 also assigned Docket Number 5-9000-38941 by the
25 Office of Administrative Hearings. Please pay

1 attention to these five numbers, 38941, as that will
2 help you navigate the eComments website the Office
3 of Administrative Hearings uses to collect written
4 comments on rulemaking hearings. You should also
5 reference this case number, the OAH Case Number, if
6 you submit any written comments. Next.

7 My office, the Office of Administrative
8 Hearings, is an executive branch court. We're
9 independent of the Department of Health, and our
10 role is to provide hearings like this in a way
11 that's neutral and fair to all the participants.
12 And this includes overseeing executive branch agency
13 rulemaking such as this matter. The purpose of this
14 hearing is to allow the Department to present its
15 case for the proposed rules and to hear from the
16 public regarding the proposal before the rules are
17 finalized. Next.

18 Among other directives from the
19 legislature, specifically those in Minnesota Statute
20 Chapter 14, rulemaking hearings are conducted so
21 that members of the public can be heard as part of
22 the rulemaking process. And I'm here to ensure
23 procedural fairness, to ensure that we're courteous
24 to each other so that all the interested parties can
25 be heard, and to draw out knowledge from as many

1 voices as possible in this proceeding. An
2 underlying assumption of this process is that we as
3 a self-governing people collectively rely on each
4 other to share wisdom, perspective about particular
5 topics being considered for our collective wellbeing
6 in our governance. There is a difference between
7 construction criticism and discourteousness, and I'm
8 here to police that. But it's always important that
9 government agencies hear your thoughts, your
10 experiences, and expertise in the formulation of
11 public policies through rulemaking. Next.

12 This hearing is part of a process by which
13 rules are adopted under the Minnesota Administrative
14 Procedures Act. During this rulemaking proceeding,
15 the agency is required to do three things: First,
16 to document its statutory authority to adopt the
17 proposed rules; second, to demonstrate that it's
18 fulfilled all relevant, legal, and procedural
19 requirements of the law; and third, to demonstrate
20 the need and reasonableness for each portion of the
21 proposed rules with an affirmative presentation of
22 facts. Those are the three big issues that I'll be
23 reviewing as part of this proceeding. And some of
24 you have thoughts you wish to express about the
25 rulemaking generally, and you have views about

1 particular aspects of the proposed rules. Your
2 views are helpful to the Department and to the
3 process. But please be aware that my job is not to
4 rewrite the rules based upon the views of
5 participants, and certainly not my own views, or is
6 it to select one set of proposed rules or policy
7 priorities over another set. My job, in addition to
8 facilitating this public forum, is to ensure that
9 the Department followed statutory requirements for
10 rulemaking. Next, please.

11 After I complete my introductory remarks
12 about the hearing procedures, I'll turn the
13 presentation over to the Department's panel. After
14 the Department concludes its presentation, I'll
15 begin taking public comments. Yesterday we had the
16 first day of hearing. Today is our second day of
17 hearing. And yesterday I admitted the Department's
18 exhibits in support of the rulemaking into the
19 record. And those exhibits are available for you to
20 view on the Department's website. And there will a
21 link for that appearing on the screen shortly.

22 Also, there is a court reporter recording
23 this proceeding today, transcribing the proceeding
24 to create a record of the rulemaking hearing. And
25 because there is a court reporter, if this is an

1 extensive hearing, we'll take breaks from time to
2 time and I'll choose points during the hearing when
3 it makes sense to do so. And I've also authorized
4 the court reporter to interrupt the proceeding to
5 ensure the record is clear and to alert me to the
6 need for any breaks that might be necessary.

7 The hearing will be concluded following
8 the last commenter or by 4:30 p.m., whichever is
9 earlier. Next, please.

10 Minnesota law provides certain
11 requirements for rulemaking hearings, and these are
12 listed on the slide. The essential aspects of the
13 standards require that the Department submit its
14 supporting evidence into the record, which it has
15 done already, and that it has the opportunity to
16 present oral evidence which it will repeat today for
17 the benefit of the public who were not able to
18 observe yesterday's hearing. Finally, interested
19 people may comment and ask questions of agency
20 representatives, and that's our primary purpose
21 today. I may limit questioning that is repetitive
22 or immaterial and comments that are discourteous or
23 irrelevant. Next, please.

24 The agency is represented today by Tom
25 Hogan, the Department's Environmental Health

1 Division Director; Josh Skaar, the Department's
2 Legal Counsel; and Sarah Fossen Johnson, the
3 Supervisor and Manager of the Department's
4 Environmental Surveillance and Assessment Section.
5 And these are the people who will provide testimony
6 about the proposed rules and will be available to
7 answer questions about the rules and the process for
8 revising them. Next, please.

9 As I previously indicated, the Department
10 filed its exhibits with my office and those exhibits
11 were admitted into the record officially yesterday.
12 On the screen you'll see the link to where you can
13 look at the exhibits that are part of the record.
14 You can look at them now or you can look at them
15 after the hearing and that's available for you.
16 Next, please.

17 There are two ways you can submit comments
18 into the record. First, you can provide oral
19 comments here at the hearing. Second, you can
20 submit written comments by our eComments website or
21 by mail or by fax. And the information for doing
22 that is on the screen. Comments are not accepted by
23 email. Email is not a recognized method under the
24 law for commenting in OAH proceedings. It's not
25 reliable enough for the creation of a formal

1 rulemaking record. Emails sometimes are missed or
2 misdirected and sometimes get caught in spam filters
3 and are never received. So it's important to know
4 that we also do not accept comments through social
5 media platforms either. Next slide.

6 The preferred method for submitting
7 written comments is through the eComment website.
8 This allows the agency and others to see your
9 comments as soon as they are submitted, and you can
10 also read the comments of others on the website.
11 The link for the eComments website is on the screen.
12 Next slide, please.

13 So we're here today to hear from folks
14 orally. If you want to comment using WebEx, please
15 click on the chat icon on your screen, send a
16 message that you wish to speak. Be sure to include
17 your name and any organization you represent, and
18 you'll be put in a queue in the order your request
19 was received. For those of you participating by
20 telephone, please enter *3 on your telephone. And
21 as all of the requests to speak come in, they'll be
22 put into a queue and I'll start working through that
23 list as it's provided by the Department staff. If
24 you are in the telephone queue, you may press *3 a
25 second time to remove yourself from the queue but

1 still stay on the line to keep listening. Next,
2 please.

3 For those commenting via WebEx, please
4 turn your video on by clicking the video icon and
5 that will allow me to see you. Commenters will be
6 unmuted or invited to unmute themselves so that you
7 can make your comment. My goal today is to hear
8 from everyone who wishes to make a comment or ask a
9 question. So please be mindful that there are
10 others who also wish to speak and consider focusing
11 your comment to be as clear and succinct as
12 possible. Next, please.

13 It's important when making a comment or
14 asking a question to fully identify yourself,
15 spelling your first and last name and identifying
16 any organization you represent even if you've
17 already put that information in the chat. It's -- I
18 want you to speak slowly and clearly so the court
19 reporter can accurately record your identity and
20 your comment. Next, please.

21 Please remember that this is a legal
22 proceeding. Respect for the process includes
23 respect for each other. Because we're human beings
24 and imperfect, I have my role to play to ensure the
25 process stays respectful. Next, please.

1 The court reporter's transcript is the
2 official record of what is said here and will
3 include all oral comments, the agency presentation,
4 and questions and answers. I may include quotes in
5 my report which comes from the transcript. Next,
6 please.

7 If you're unable to comment today, please
8 remember that you can also file written comments. I
9 have extended the comment period of a full 20
10 calendar days, which is allowed by law, to provide
11 additional time for anyone to submit comments. This
12 means that comments can be submitted through April
13 26, 2023. Comments are considered in the same way
14 regardless of how they're received. Comments made
15 at the hearing today are not more important or given
16 more weight than any comments that are received in
17 writing, and vice versa. Next, please.

18 It's important to remember the three
19 issues that I'll be considering. And that includes
20 whether the Department has legal authority to adopt
21 these rules; whether the Department has complied
22 with the legal and procedural requirements under
23 law; and whether the rule is needed and reasonable.
24 It's important if your comments relate to a
25 particular part of the proposed rules, that you

1 identify the part you're addressing. Also, if you
2 want to supplement your oral comments, you can do
3 that using written comments or submitting materials
4 you want to share with me and the Department and
5 make it part of the record. And again, our
6 preferred method for doing that is through our
7 eComments website. But you can also mail or fax
8 that information in. Next, please.

9 As I noted before, I've ordered that the
10 comment period stay open for 20 days from the close
11 of the hearing today. So you'll have until April
12 26, 2023, at 4:30 p.m. to submit comments. Next,
13 please.

14 At the close of that comment period, there
15 will be a five working day rebuttal period. That
16 five-day period is meant for comment on the
17 comments, not to introduce new matters. You'll have
18 until May 3, 2023, at 4:30 p.m. to submit rebuttal
19 to any of the comments that have been made in
20 writing or that you hear at the hearing today.
21 Next, please.

22 Then following the close of the record,
23 I'll prepare a report that contains my conclusion
24 about whether the Department has met its statutory
25 burdens in this matter, specifically whether the

1 agency has documented its authority to enact the
2 rules, whether the agency has fulfilled all the
3 required procedures, and whether the agency has
4 demonstrated the need and reasonableness for each
5 portion of the proposed rules. You can expect my
6 decision, or my report, rather, approximately 30
7 days after the last comment deadline. Sometimes an
8 extension is necessary, and that's something that I
9 would discuss with the chief administrative law
10 judge. But ultimately, my report will be published
11 on the Office of Administrative Hearings website on
12 the day that it's issued. Next, please.

13 A final reminder for lobbyists. If you
14 are a lobbyist, you must register with the Minnesota
15 Campaign Finance and Disclosure Board if you're
16 appearing in our hearing today. Next, please.

17 I'm going to turn the presentation over to
18 the Department's representative. I'll begin working
19 my way through the queue after the break following
20 the Department's presentation. And with that, I
21 believe that Department's first speaker will be Tom
22 Hogan. And I'll allow him to introduce himself and
23 the remaining Department speakers.

24 MS. FOSSEN JOHNSON: Hi, Judge. This is
25 Sarah Fossen Johnson. I believe that Tom Hogan is

1 not going to speak this morning. I'm going to go
2 ahead and give my presentation, if that's all right.

3 JUDGE MORTENSON: That's fine. I know you
4 provided the substance of the matter, and that's the
5 important piece of this, so thank you.

6 MS. FOSSEN JOHNSON: Yeah. Good morning,
7 and thank you for this opportunity to give
8 background on this rulemaking effort. My name is
9 Sarah Fossen Johnson. I am the Health Risk
10 Assessment Supervisor and Manager of the
11 Environmental Surveillance and Assessment Section at
12 MDH. Next slide, please.

13 So besides where Judge Mortenson explained
14 to find the rulemaking materials, you can also
15 search: "health risk limits rules Minnesota" from a
16 search general and it should also bring up the
17 rulemaking documents for you to review. Next slide,
18 please.

19 So the mission of the Minnesota Department
20 of Health is to protect, maintain, and improve the
21 health of all Minnesotans. Since approximately 75
22 percent of all drinking water in Minnesota is
23 groundwater, it has long been recognized that
24 protecting groundwater is important. In the context
25 of public health, access to clean, high-quality

1 groundwater as a source of drinking water is one
2 factor that contributes to health and helps maintain
3 good health. Next slide, please.

4 The Groundwater Protection Act of 1989
5 reflects the importance of protecting groundwater as
6 a resource. The goal was to maintain groundwater
7 quality and to protect it from degradation and
8 contamination. The Act authorized MDH to adopt
9 rules, to set health protective limits known as
10 health risk limits, or HRLs. The Groundwater
11 Protection Act is clear that these limits are not to
12 be used as pollute-to limits. The first rules under
13 the statute were promulgated in 1993 and MDH
14 currently has 146 health risk limits already
15 promulgated through multiple rounds of rulemaking.
16 Next slide, please.

17 Although the first health risk limits were
18 promulgated in 1993, several improvements were
19 needed to the methods for calculating them. The
20 first improvement came in 2001 with the addition of
21 the health standards statute. The legislature, led
22 by Representative Jean Wagenius, gave MDH additional
23 authority to consider a variety of health outcomes
24 to ensure all life stages were protected. Examples
25 include looking specifically at reproductive and

1 developmental outcomes, impacts on immune function,
2 and others.

3 The second major improvement for the
4 derivation of health risk limits came in 2009 when
5 the methodology that we continue to use today was
6 promulgated. These changes to our methodology very
7 specifically direct risk assessors on what
8 parameters to use to ensure that all Minnesotans are
9 protected by health risk limits. A major focus of
10 these methods is that we protect those who are most
11 sensitive and those who are most highly exposed
12 because protecting those who would be most likely to
13 suffer health effects will, by default, protect
14 everyone else. This focus is accomplished by
15 looking for specific windows of susceptibility such
16 as infancy and pregnancy, and by also considering
17 the magnitude and the duration of exposures. I want
18 to note that many of the comments we have received
19 so far in this rulemaking have expressed concerns
20 around components of our methods, such as selecting
21 the most sensitive end point from a developmental
22 study. Our methods were promulgated in 2009 and
23 therefore are not part of this rulemaking. Next
24 slide, please.

25 The first bullet point here is the exact

1 description of what a health risk limit is, the
2 contamination of a water contaminant or a mixture of
3 contaminants that people, including sensitive and
4 highly-exposed subpopulations, can consume with
5 little to no risk to health. We often shorthand
6 this to a health risk limit being a safe value with
7 our partners. Although we do acknowledge that it is
8 virtually impossible to create a value that is safe
9 for every person, this is our approach with every
10 chemical assessment. Health risk limits are very
11 different from regulatory values, which is usually
12 what we think of with government. They do not have
13 any regulatory actions attached to them by statute,
14 which frees our partners such as other agencies to
15 apply them according to the program specifications.
16 Additionally, because the Health Risk Assessment
17 Unit is not beholden to a specific regulatory
18 agenda, the values can be developed solely based on
19 the associated health effects of a chemical and not
20 on other factors like cost of implementation or ease
21 of treatment that might reduce how protective the
22 values are.

23 The federal government also has values for
24 chemicals in drinking water, and these are regulated
25 by the Safe Drinking Water Act. These are typically

1 calculated using adult exposures. MDH's methods
2 direct us to look at life stages, not just adult or
3 lifelong exposures, which has meant that we
4 regularly develop values based on formula-fed
5 infants because infants actually drink far more
6 water for body weight than an adult. Infants
7 represent not only a sensitive life stage but also a
8 highly-exposed subpopulation.

9 And finally, health risk limits can be
10 developed in a shorter time frame than a federal
11 regulation and can address Minnesota specific
12 contaminants. For example, more than 20 years ago,
13 Minnesota discovered forever chemicals in our
14 groundwater. Since that time, toxicologists in the
15 Health Risk Assessment Unit have developed
16 health-based values for six forever chemicals found
17 in Minnesota groundwater, three of which are in this
18 rulemaking. It is important to note that beyond
19 just calculating an initial value, MDH toxicologists
20 have made numerous updates to the values for the
21 forever chemicals as new information has become
22 available about their toxicity. The EPA has just
23 released their first draft regulations for forever
24 chemicals this March. Next slide, please.

25 I said some of this elsewhere but I want

1 to reiterate. Health risk limits are designed by
2 their very nature to be protective of all people.
3 Here are a few specifics. We don't use average
4 values in our calculations because average values
5 don't protect people who drink a lot of water, like
6 infants. We intentionally focus on sensitive
7 individuals and those who are highly exposed. We do
8 a careful review of all routes of exposure for a
9 given chemical to make sure our water values won't
10 combine with other exposures to create health
11 problems. An example of this kind of multi-exposure
12 approach would be when a chemical is found both in
13 house dust and in drinking water. An infant who is
14 frequently on the floor can possibly be exposed
15 through both routes, so we need to take that into
16 account. The health risk limits can also be used to
17 calculate accumulative risk when multiple chemicals
18 are present. Standard risk assessment methods look
19 at one chemical at a time, which is not how they
20 usually appear in the real world. Next slide,
21 please.

22 Following the authorities given to MDH and
23 using the 2009 methodology designed to protect
24 Minnesotans, including sensitive and highly-exposed
25 subpopulations, MDH has derived or updated

1 health-based guidance for 37 contaminants identified
2 in groundwater and proposes to adopt these guidance
3 values into rule. I want to point out that the
4 n-hexane value will not be replaced with a health
5 risk limit value because the data available was not
6 high enough quality for us to derive a value under
7 the 2009 methodology. The previous value was
8 calculated prior to 2009 and was not protective.
9 The value has been replaced with a type of value
10 called risk assessment advice, which are not
11 promulgated in rule. Next slide, please.

12 This is an example of a health risk limit.
13 I want to give you a moment to give you an
14 orientation to how we present the information. What
15 you see here is similar to how it will appear in
16 rule and it is exactly how it appears on our water
17 guidance table on our website. For each chemical,
18 we will derive a health protective value for each
19 duration if we have the appropriate data to do so.
20 For chemicals that lack enough data on health
21 effects for a given duration, we simply mark them
22 ND, or not derived. If you read across the table,
23 you will see the duration, its associated
24 health-based value, and the most sensitive health
25 end points. So in this example with acetone, for

1 the chronic duration, the associated health-based
2 value is 3,000 micrograms per liter, and the
3 sensitive health end points are blood, liver, and
4 kidney systems. You can see on this table that we
5 have NA for the cancer value. This means not
6 applicable, and usually means that we do not have
7 information that we need to calculate a cancer-based
8 value such as a slope factor for cancer potency or a
9 cancer classification. Next slide, please.

10 This is the last slide, and it just gives
11 you the timeline for this rulemaking. I think that
12 the judge has gone over this already. I do want to
13 emphasize that we do have post-hearing comment
14 period, and we do certainly welcome additional
15 written comments. Next slide.

16 I just wanted to say thank you again for
17 allowing me to give background on our program and
18 how health risk limits are derived. If you have
19 additional questions, please follow up with Nancy
20 Rice. She is our rules coordinator, among other
21 things. And if she doesn't know the answer, I'm
22 quite certain she can get you to someone who does.
23 So thank you.

24 JUDGE MORTENSON: Thank you very much for
25 the presentation. With that, we're going to take a

1 very short break before we begin public comments.
2 Members of the public who want to comment or have
3 questions for agency staff, the directions for
4 getting in the queue are presented on the screen.
5 And we'll reconvene just after 10:00 to begin the
6 public comments. Thank you.

7 (Recess.)

8 JUDGE MORTENSON: Thank you. We'll go
9 back on the record. We're prepared to receive
10 public comments and questions. Do we have anyone in
11 the queue ready to go?

12 MS. CAVANAGH: At this time, no one has
13 entered a message that would like to speak, but I
14 will continue to monitor for anyone wishing to
15 speak. Folks have the opportunity to enter their
16 information in the chat.

17 At this point, I'm still not seeing anyone
18 entering any information in the chat wishing to
19 speak.

20 JUDGE MORTENSON: Okay. Why don't we wait
21 a few more minutes just to be sure we don't
22 prematurely cut anybody off.

23 Do we have any calls or people lined up at
24 WebEx at this point?

25 MS. CAVANAGH: No, we do not.

1 JUDGE MORTENSON: Okay. Well, given we've
2 convened a second day in a row here, we've provided
3 the opportunity for folks to make comments orally or
4 to ask questions. I don't think we've got anyone
5 interested in taking that opportunity right now. I
6 understand from the Department's presentation
7 written comments have been received at this point.
8 Those are part of the record, and I'll certainly be
9 looking at those. And as I indicated earlier, the
10 written comment period following this hearing will
11 stay open until April 26 so folks can please take
12 advantage of that. And if there is any rebuttal to
13 any written comments that were received either
14 before this hearing or after the hearing, there will
15 be a short rebuttal period that concludes early May.
16 I know I said what that date was. May 3. So you'll
17 have until 4:30 on May 3 for any rebuttal comments.

18 With that, we'll adjourn this public
19 rulemaking hearing for the Department of Health.
20 And I thank everyone for their time and attention,
21 and wish you all a good afternoon.

22 (The hearing adjourned at approximately 10:05 a.m.)
23
24
25

1 STATE OF MINNESOTA)
2)
3 COUNTY OF HENNEPIN)
4
5

6 I, Katriina Hendrickson, do hereby certify that
7 the above and foregoing transcript consisting of the
8 preceding 23 pages is a true and correct transcript of my
9 steno notes and is a full, true and complete transcript
10 of the proceedings to the best of my ability.

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

Dated: April 13, 2023.

/s/ Katriina Hendrickson
Registered Professional Reporter
Shaddix & Associates
reporters@janetshaddix.com

*	5:13	3:10;11:12;12:11;	13:15	Chapter (2)
	adult (3)	23:11	body (1)	3:15;4:20
	18:1,2,6	around (1)	18:6	chat (4)
*3 (2)	advantage (1)	16:20	both (2)	9:15;10:17;22:16,
9:20,24	23:12	aspects (2)	19:12,15	18
	advice (1)	6:1;7:12	branch (2)	chemical (6)
A	20:10	Assessment (8)	4:8,12	17:10,19;19:9,12,
	affirmative (1)	8:4;14:10,11;17:10,	break (2)	19:20:17
able (1)	5:21	16;18:15;19:18;20:10	breaks (2)	chemicals (8)
7:17	afternoon (1)	assessors (1)	7:1,6	3:16;17:24;18:13,
accept (1)	23:21	16:7	bring (1)	16,21,24;19:17;20:20
9:4	again (2)	assigned (2)	14:16	chief (1)
accepted (1)	12:5;21:16	3:23,24	bullet (1)	13:9
8:22	agencies (5)	associated (3)	16:25	choose (1)
access (1)	3:18,20,22;5:9;	17:19;20:23;21:1	burdens (1)	7:2
14:25	17:14	assumption (1)	12:25	chronic (1)
accomplished (1)	Agency (11)	5:2		21:1
16:14	3:21;4:12;5:15;	attached (1)	C	classification (1)
according (1)	7:19,24;9:8;11:3;	17:13		21:9
17:15	13:1,2,3;22:3	attention (2)	calculate (2)	clean (1)
account (1)	agenda (1)	4:1;23:20	19:17;21:7	14:25
19:16	17:18	authorities (2)	calculated (2)	clear (3)
accumulative (1)	ago (1)	3:18;19:22	18:1;20:8	7:5;10:11;15:11
19:17	18:12	authority (5)	calculating (2)	clearly (1)
accurately (1)	Agriculture (1)	3:19;5:16;11:20;	15:19;18:19	10:18
10:19	3:21	13:1;15:23	calculations (1)	click (1)
acetone (1)	ahead (1)	authorized (2)	19:4	9:15
20:25	14:2	7:3;15:8	calendar (1)	clicking (1)
acknowledge (1)	alert (1)	available (5)	11:10	10:4
17:7	7:5	6:19;8:6,15;18:22;	called (1)	close (3)
across (1)	allow (3)	20:5	20:10	12:10,14,22
20:22	4:14;10:5;13:22	average (2)	calls (1)	collect (1)
Act (5)	allowed (1)	19:3,4	22:23	4:3
5:14;15:4,8,11;	11:10	aware (1)	came (2)	collective (1)
17:25	allowing (1)	6:3	15:20;16:4	5:5
actions (1)	21:17	B	Campaign (1)	collectively (1)
17:13	allows (1)		13:15	5:3
actually (1)	9:8	back (1)	can (26)	combine (1)
18:5	Although (2)	22:9	4:21,24;8:12,14,14,	19:10
addition (2)	15:17;17:7	background (2)	17,18,19;9:9;10:7,19;	comment (16)
6:7;15:20	always (1)	14:8;21:17	11:8,12;12:2,7;13:5;	7:19;9:14;10:7,8,
additional (4)	5:8	based (3)	14:14;17:4,18;18:9,	11,13,20;11:7,9;
11:11;15:22;21:14,	Amendments (1)	6:4;17:18;18:4	11;19:14,16;21:4,22;	12:10,14,16;13:7;
19	3:13	become (1)	23:11	21:13;22:2;23:10
Additionally (1)	Among (2)	18:21	cancer (3)	commenter (1)
17:16	4:18;21:20	begin (4)	21:5,8,9	7:8
address (1)	appear (2)	6:15;13:18;22:1,5	cancer-based (1)	Commenters (1)
18:11	19:20;20:15	beholden (1)	21:7	10:5
addressing (1)	appearing (2)	17:17	careful (1)	commenting (2)
12:1	6:21;13:16	beings (1)	19:8	8:24;10:3
adjourn (1)	appears (1)	10:23	Case (3)	comments (34)
23:18	20:16	benefit (1)	4:5,5,15	4:4,6;6:15;7:22;
adjourned (1)	applicable (1)	7:17	caught (1)	8:17,19,20,22;9:4,7,9,
23:22	21:6	besides (1)	9:2	10;11:3,8,11,12,13,
Administrative (8)	apply (1)	14:13	CAVANAGH (2)	14,16,24;12:2,3,12,
3:5,6,25;4:3,7;5:13;	17:15	beyond (1)	22:12,25	17,19;16:18;21:15;
13:9,11	approach (2)	18:18	certain (3)	22:1,6,10;23:3,7,13,
admitted (2)	17:9;19:12	big (1)	3:16;7:10;21:22	17
6:17;8:11	appropriate (1)	5:22	certainly (3)	complete (1)
adopt (4)	20:19	blood (1)	6:5;21:14;23:8	6:11
5:16;11:20;15:8;	approximately (3)	21:3	changes (1)	complied (1)
20:2	13:6;14:21;23:22	Board (1)	16:6	11:21
adopted (1)	April (4)			components (1)

<p>16:20 concerns (1) 16:19 concluded (1) 7:7 concludes (2) 6:14;23:15 conclusion (1) 12:23 conducted (1) 4:20 consider (2) 10:10;15:23 considered (2) 5:5;11:13 considering (2) 11:19;16:16 construction (1) 5:7 consume (1) 17:4 contains (1) 12:23 contaminant (1) 17:2 contaminants (3) 17:3;18:12;20:1 contamination (2) 3:19;15:8;17:2 context (1) 14:24 continue (2) 16:5;22:14 contributes (1) 15:2 Control (1) 3:21 convene (1) 3:2 convened (1) 23:2 coordinator (1) 21:20 cost (1) 17:20 Counsel (1) 8:2 court (6) 4:8;6:22;25:7;4; 10:18;11:1 courteous (1) 4:23 create (3) 6:24;17:8;19:10 creation (1) 8:25 criticism (1) 5:7 currently (1) 15:14 cut (1) 22:22</p>	<p style="text-align: center;">D</p> <p>data (3) 20:5,19,20 date (1) 23:16 day (5) 6:16,16;12:15; 13:12;23:2 days (3) 11:10;12:10;13:7 deadline (1) 13:7 decision (1) 13:6 default (1) 16:13 degradation (1) 15:7 demonstrate (2) 5:17,19 demonstrated (1) 13:4 Department (17) 3:12,20;4:9,14;6:2, 9,14;7:13;8:9;9:23; 11:20,21;12:4,24; 13:23;14:19;23:19 Department's (10) 6:13,17,20;7:25; 8:1,3;13:18,20,21; 23:6 derivation (1) 16:4 derive (2) 20:6,18 derived (3) 19:25;20:22;21:18 description (1) 17:1 designed (2) 19:1,23 develop (1) 18:4 developed (3) 17:18;18:10,15 developmental (2) 16:1,21 difference (1) 5:6 different (1) 17:11 direct (2) 16:7;18:2 directions (1) 22:3 directives (1) 4:18 Director (1) 8:1 Disclosure (1) 13:15</p>	<p>discourteous (1) 7:22 discourteousness (1) 5:7 discovered (1) 18:13 discuss (1) 13:9 Division (1) 8:1 Docket (1) 3:24 document (1) 5:16 documented (1) 13:1 documents (1) 14:17 done (1) 7:15 draft (1) 18:23 draw (1) 4:25 drink (2) 18:5;19:5 drinking (5) 14:22;15:1;17:24, 25;19:13 duration (5) 16:17;20:19,21,23; 21:1 During (2) 5:14;7:2 dust (1) 19:13</p> <p style="text-align: center;">E</p> <p>earlier (2) 7:9;23:9 early (1) 23:15 ease (1) 17:20 eComment (1) 9:7 eComments (4) 4:2;8:20;9:11;12:7 effects (3) 16:13;17:19;20:21 effort (1) 14:8 either (2) 9:5;23:13 else (1) 16:14 elsewhere (1) 18:25 Email (2) 8:23,23 Emails (1) 9:1</p>	<p>emphasize (1) 21:13 enact (1) 13:1 end (3) 16:21;20:25;21:3 enforcement (1) 3:18 enough (3) 8:25;20:6,20 ensure (7) 4:22,23;6:8;7:5; 10:24;15:24;16:8 enter (2) 9:20;22:15 entered (1) 22:13 entering (1) 22:18 Environmental (3) 7:25;8:4;14:11 EPA (1) 18:22 essential (1) 7:12 even (1) 10:16 everyone (3) 10:8;16:14;23:20 evidence (2) 7:14,16 exact (1) 16:25 exactly (1) 20:16 example (4) 18:12;19:11;20:12, 25 Examples (1) 15:24 executive (2) 4:8,12 exhibits (5) 6:18,19;8:10,10,13 expect (1) 13:5 experiences (1) 5:10 expertise (1) 5:10 explained (1) 14:13 exposed (3) 16:11;19:7,14 exposure (1) 19:8 exposures (4) 16:17;18:1,3;19:10 express (1) 5:24 expressed (1) 16:19 extended (1)</p>	<p>11:9 extension (1) 13:8 extensive (1) 7:1</p> <p style="text-align: center;">F</p> <p>facilitating (1) 6:8 factor (2) 15:2;21:8 factors (1) 17:20 facts (1) 5:22 fair (1) 4:11 fairness (1) 4:23 far (2) 16:19;18:5 fax (2) 8:21;12:7 federal (2) 17:23;18:10 few (2) 19:3;22:21 file (1) 11:8 filed (1) 8:10 filters (1) 9:2 final (1) 13:13 finalized (1) 4:17 Finally (2) 7:18;18:9 Finance (1) 13:15 find (1) 14:14 fine (1) 14:3 First (10) 5:15;6:16;8:18; 10:15;13:21;15:12, 17,20;16:25;18:23 five (2) 4:1;12:15 five-day (1) 12:16 floor (1) 19:14 focus (3) 16:9,14;19:6 focusing (1) 10:10 folks (4) 9:13;22:15;23:3,11 follow (1)</p>
---	---	---	--	--

<p>21:19 followed (1) 6:9 following (5) 7:7;12:22;13:19; 19:22;23:10 forever (4) 18:13,16,21,23 formal (1) 8:25 formula-fed (1) 18:4 formulation (1) 5:10 forum (1) 6:8 Fossen (5) 8:2;13:24,25;14:6,9 found (2) 18:16;19:12 frame (1) 18:10 frees (1) 17:14 frequently (1) 19:14 fulfilled (2) 5:18;13:2 full (1) 11:9 fully (1) 10:14 function (1) 16:1</p>	<p>24;15:1,4,5,6,10; 18:14,17;20:2 guidance (3) 20:1,2,17 guiding (1) 3:17</p> <p style="text-align: center;">H</p> <p>Health (38) 3:13;4:9;7:25;14:9, 15,20,21,25;15:2,3,9, 10,14,17,21,23;16:4, 9,13;17:1,5,6,10,16, 19;18:9,15;19:1,10, 16;20:4,12,18,20,24; 21:3,18;23:19 health-based (4) 18:16;20:1,24;21:1 Health's (1) 3:12 hear (5) 4:15;5:9;9:13;10:7; 12:20 heard (2) 4:21,25 hearing (23) 3:3,11;4:14;5:12; 6:12,16,17,24;7:1,2,7, 18;8:15,19;11:15; 12:11,20;13:16; 23:10,14,14,19,22 Hearings (9) 3:6,25;4:3,4,8,10, 20;7:11;13:11</p>	<p style="text-align: center;">I</p> <p>icon (2) 9:15;10:4 ID (1) 3:23 identified (1) 20:1 identify (2) 10:14;12:1 identifying (1) 10:15 identity (1) 10:19 immaterial (1) 7:22 immune (1) 16:1 impacts (1) 16:1 imperfect (1) 10:24 implementation (1) 17:20 importance (1) 15:5 important (9) 5:8;9:3;10:13; 11:15,18,24;14:5,24; 18:18 impossible (1) 17:8 improve (1) 14:20 improvement (2) 15:20;16:3 improvements (1) 15:18 include (5) 3:20;9:16;11:3,4; 15:25 includes (3) 4:12;10:22;11:19 including (2) 17:3;19:24 independent (1) 4:9 indicated (2) 8:9;23:9 individuals (1) 19:7 infancy (1) 16:16 infant (1) 19:13 infants (4) 18:5,5,6;19:6 information (8) 8:21;10:17;12:8; 18:21;20:14;21:7; 22:16,18 initial (1)</p>	<p>18:19 intentionally (1) 19:6 interested (3) 4:24;7:18;23:5 interrupt (1) 7:4 into (7) 6:18;7:14;8:11,18; 9:22;19:15;20:3 introduce (2) 12:17;13:22 introductory (1) 6:11 invited (1) 10:6 irrelevant (1) 7:23 issued (1) 13:12 issues (2) 5:22;11:19</p> <p style="text-align: center;">J</p> <p>Jean (1) 15:22 Jim (1) 3:4 job (2) 6:3,7 Johnson (5) 8:2;13:24,25;14:6,9 Josh (1) 8:1 JUDGE (11) 3:1,5;13:10,24; 14:3,13;21:12,24; 22:8,20;23:1</p> <p style="text-align: center;">K</p> <p>keep (1) 10:1 kidney (1) 21:4 kind (1) 19:11 knowledge (1) 4:25 known (1) 15:9</p> <p style="text-align: center;">L</p> <p>lack (1) 20:20 last (4) 7:8;10:15;13:7; 21:10 Law (7) 3:5;5:19;7:10;8:24; 11:10,23;13:9</p>	<p>led (1) 15:21 legal (5) 5:18;8:2;10:21; 11:20,22 legislature (2) 4:19;15:21 life (3) 15:24;18:2,7 lifelong (1) 18:3 likely (1) 16:12 limit (5) 7:21;17:1,6;20:5,12 Limits (16) 3:14,16;14:15;15:9, 10,11,12,14,17;16:4, 9;17:10;18:9;19:1,16; 21:18 line (1) 10:1 lined (1) 22:23 link (3) 6:21;8:12;9:11 list (1) 9:23 listed (1) 7:12 listening (1) 10:1 liter (1) 21:2 little (1) 17:5 liver (1) 21:3 lobbyist (1) 13:14 lobbyists (1) 13:13 local (2) 3:18,22 long (1) 14:23 look (5) 8:13,14,14;18:2; 19:18 looking (3) 15:25;16:15;23:9 lot (1) 19:5</p> <p style="text-align: center;">M</p> <p>magnitude (1) 16:17 mail (2) 8:21;12:7 maintain (3) 14:20;15:2,6 major (2)</p>
<p style="text-align: center;">G</p> <p>gave (1) 15:22 general (1) 14:16 generally (1) 5:25 given (5) 11:15;19:9,22; 20:21;23:1 gives (1) 21:10 goal (2) 10:7;15:6 Good (4) 3:4;14:6;15:3; 23:21 govern (1) 3:16 governance (1) 5:6 Governing (1) 3:13 government (3) 5:9;17:12,23 Groundwater (13) 3:14,17,19;14:23,</p>	<p>help (1) 4:2 helpful (1) 6:2 helps (1) 15:2 Hi (1) 13:24 high (1) 20:6 highly (2) 16:11;19:7 highly-exposed (3) 17:4;18:8;19:24 high-quality (1) 14:25 himself (1) 13:22 Hogan (3) 7:25;13:22,25 house (1) 19:13 HRLs (1) 15:10 human (1) 10:23</p>			

<p>16:3,9 makes (1) 7:3 making (1) 10:13 Manager (2) 8:3;14:10 many (2) 4:25;16:18 March (1) 18:24 mark (1) 20:21 materials (2) 12:3;14:14 Matter (5) 3:12,23;4:13;12:25; 14:4 matters (1) 12:17 may (8) 7:19,21;9:24;11:4; 12:18;23:15,16,17 MDH (7) 14:12;15:8,13,22; 18:19;19:22,25 MDH's (1) 18:1 means (3) 11:12;21:5,6 meant (2) 12:16;18:3 media (1) 9:5 members (2) 4:21;22:2 message (2) 9:16;22:13 met (1) 12:24 method (3) 8:23;9:6;12:6 methodology (4) 16:5,6;19:23;20:7 methods (6) 15:19;16:10,20,22; 18:1;19:18 micrograms (1) 21:2 might (2) 7:6;17:21 mindful (1) 10:9 Minnesota (13) 3:6,12,14;4:19; 5:13;7:10;13:14; 14:15,19,22;18:11,13, 17 Minnesotans (3) 14:21;16:8;19:24 minutes (1) 22:21 misdirected (1)</p>	<p>9:2 missed (1) 9:1 mission (1) 14:19 mixture (1) 17:2 moment (1) 20:13 monitor (1) 22:14 more (5) 11:15,16;18:5,12; 22:21 morning (4) 3:4,7;14:1,6 MORTENSON (8) 3:1,5;14:3,13; 21:24;22:8,20;23:1 most (5) 16:10,11,12,21; 20:24 much (1) 21:24 multi-exposure (1) 19:11 multiple (2) 15:15;19:17 must (1) 13:14</p> <p style="text-align: center;">N</p> <p>NA (1) 21:5 name (4) 3:4;9:17;10:15; 14:8 Nancy (1) 21:19 nature (1) 19:2 navigate (1) 4:2 ND (1) 20:22 necessary (2) 7:6;13:8 need (5) 5:20;7:6;13:4; 19:15;21:7 needed (2) 11:23;15:19 neutral (1) 4:11 new (2) 12:17;18:21 Next (31) 4:6,17;5:11;6:10; 7:9,23;8:8,16;9:5,12; 10:1,12,20,25;11:5, 17;12:8,12,21;13:12, 16;14:12,17;15:3,16;</p>	<p>16:23;18:24;19:20; 20:11;21:9,15 n-hexane (1) 20:4 note (2) 16:18;18:18 noted (1) 12:9 Number (4) 3:23,24;4:5,5 numbers (1) 4:1 numerous (1) 18:20</p> <p style="text-align: center;">O</p> <p>OAH (2) 4:5;8:24 observe (1) 7:18 off (1) 22:22 Office (7) 3:6,25;4:2,7,7;8:10; 13:11 official (1) 11:2 officially (1) 8:11 often (1) 17:5 one (4) 6:6;15:1;19:19; 22:12 only (1) 18:7 open (2) 12:10;23:11 opportunity (5) 7:15;14:7;22:15; 23:3,5 oral (4) 7:16;8:18;11:3; 12:2 orally (2) 9:14;23:3 order (1) 9:18 ordered (1) 12:9 organization (2) 9:17;10:16 orientation (1) 20:14 others (4) 9:8,10;10:10;16:2 out (2) 4:25;20:3 outcomes (2) 15:23;16:1 over (5) 3:19;6:7,13;13:17;</p>	<p>21:12 overseeing (1) 4:12 own (1) 6:5</p> <p style="text-align: center;">P</p> <p>panel (1) 6:13 parameters (1) 16:8 part (9) 4:21;5:12,23;8:13; 11:25;12:1,5;16:23; 23:8 participants (2) 4:11;6:5 participate (1) 3:8 participating (1) 9:19 particular (3) 5:4;6:1;11:25 parties (1) 4:24 partners (2) 17:7,14 pay (1) 3:25 people (7) 5:3;7:19;8:5;17:3; 19:2,5;22:23 per (1) 21:2 percent (1) 14:22 period (8) 11:9;12:10,14,15, 16;21:14;23:10,15 person (1) 17:9 perspective (1) 5:4 piece (1) 14:5 platforms (1) 9:5 play (1) 10:24 Please (36) 3:25;6:3,10;7:9,23; 8:8,16;9:12,14,20; 10:2,3,9,12,20,21,25; 11:6,7,17;12:8,13,21; 13:12,16;14:12,18; 15:3,16;16:24;18:24; 19:21;20:11;21:9,19; 23:11 pm (3) 7:8;12:12,18 point (6) 16:21,25;20:3;</p>	<p>22:17,24;23:7 points (3) 7:2;20:25;21:3 police (1) 5:8 policies (1) 5:11 policy (1) 6:6 pollute-to (1) 15:12 Pollution (1) 3:21 portion (2) 5:20;13:5 possible (2) 5:1;10:12 possibly (1) 19:14 post-hearing (1) 21:13 potency (1) 21:8 preferred (2) 9:6;12:6 pregnancy (1) 16:16 prematurely (1) 22:22 prepare (1) 12:23 prepared (1) 22:9 present (4) 4:14;7:16;19:18; 20:14 presentation (9) 5:21;6:13,14;11:3; 13:17,20;14:2;21:25; 23:6 presented (1) 22:4 press (1) 9:24 previous (1) 20:7 previously (1) 8:9 primary (1) 7:20 prior (1) 20:8 priorities (1) 6:7 problems (1) 19:11 procedural (3) 4:23;5:18;11:22 Procedures (3) 5:14;6:12;13:3 proceeding (7) 5:1,14,23;6:23,23; 7:4;10:22</p>
--	--	---	--	---

<p>proceedings (1) 8:24</p> <p>process (8) 3:9;4:22;5:2,12; 6:3;8:7;10:22,25</p> <p>program (2) 17:15;21:17</p> <p>promulgated (6) 15:13,15,18;16:6, 22;20:11</p> <p>proposal (1) 4:16</p> <p>Proposed (11) 3:13,15,22;4:15; 5:17,21;6:1,6;8:6; 11:25;13:5</p> <p>proposes (1) 20:2</p> <p>protect (6) 14:20;15:7;16:10, 13;19:5,23</p> <p>protected (2) 15:24;16:9</p> <p>protecting (3) 14:24;15:5;16:12</p> <p>Protection (2) 15:4,11</p> <p>protective (5) 15:9;17:21;19:2; 20:8,18</p> <p>provide (4) 4:10;8:5,18;11:10</p> <p>provided (3) 9:23;14:4;23:2</p> <p>provides (1) 7:10</p> <p>public (15) 3:2,9,11;4:16,21; 5:11;6:8,15;7:17; 14:25;22:1,2,6,10; 23:18</p> <p>published (1) 13:10</p> <p>purpose (3) 3:17;4:13;7:20</p> <p>put (3) 9:18,22;10:17</p>	<p>13:6</p> <p>read (2) 9:10;20:22</p> <p>ready (1) 22:11</p> <p>real (1) 19:20</p> <p>reasonable (1) 11:23</p> <p>reasonableness (2) 5:20;13:4</p> <p>rebuttal (5) 12:15,18;23:12,15, 17</p> <p>receive (1) 22:9</p> <p>received (7) 9:3,19;11:14,16; 16:18;23:7,13</p> <p>Recess (1) 22:7</p> <p>recognized (2) 8:23;14:23</p> <p>reconvene (1) 22:5</p> <p>record (14) 6:19,24;7:5,14; 8:11,13,18;9:1;10:19; 11:2;12:5,22;22:9; 23:8</p> <p>recording (1) 6:22</p> <p>reduce (1) 17:21</p> <p>reference (1) 4:5</p> <p>reflects (1) 15:5</p> <p>regarding (1) 4:16</p> <p>regardless (1) 11:14</p> <p>register (1) 13:14</p> <p>regularly (1) 18:4</p> <p>regulated (1) 17:24</p> <p>regulation (1) 18:11</p> <p>regulations (1) 18:23</p> <p>regulatory (3) 17:11,13,17</p> <p>reiterate (1) 19:1</p> <p>relate (1) 11:24</p> <p>released (1) 18:23</p> <p>relevant (1) 5:18</p> <p>reliable (1)</p>	<p>8:25</p> <p>rely (1) 5:3</p> <p>remaining (1) 13:23</p> <p>remarks (1) 6:11</p> <p>remember (3) 10:21;11:8,18</p> <p>reminder (1) 13:13</p> <p>remove (1) 9:25</p> <p>repeat (1) 7:16</p> <p>repetitive (1) 7:21</p> <p>replaced (2) 20:4,9</p> <p>report (4) 11:5;12:23;13:6,10</p> <p>reporter (4) 6:22,25;7:4;10:19</p> <p>reporter's (1) 11:1</p> <p>represent (3) 9:17;10:16;18:7</p> <p>representative (2) 13:18;15:22</p> <p>representatives (1) 7:20</p> <p>represented (1) 7:24</p> <p>reproductive (1) 15:25</p> <p>request (1) 9:18</p> <p>requests (1) 9:21</p> <p>require (1) 7:13</p> <p>required (2) 5:15;13:3</p> <p>requirements (4) 5:19;6:9;7:11; 11:22</p> <p>resource (1) 15:6</p> <p>Respect (2) 10:22,23</p> <p>respectful (1) 10:25</p> <p>review (2) 14:17;19:8</p> <p>reviewing (1) 5:23</p> <p>revising (1) 8:8</p> <p>Revisor's (1) 3:23</p> <p>rewrite (1) 6:4</p> <p>Rice (1)</p>	<p>21:20</p> <p>right (3) 3:1;14:2;23:5</p> <p>Risk (24) 3:13;14:9,15;15:10, 14,17;16:4,7,9;17:1,5, 6,10,16;18:9,15;19:1, 16,17,18;20:5,10,12; 21:18</p> <p>role (2) 4:10;10:24</p> <p>rounds (1) 15:15</p> <p>routes (2) 19:8,15</p> <p>row (1) 23:2</p> <p>rule (5) 3:22;11:23;20:3,11, 16</p> <p>rulemaking (23) 3:2,9;4:4,13,20,22; 5:11,14,25;6:10,18, 24;7:11;9:1;14:8,14, 17;15:15;16:19,23; 18:18;21:11;23:19</p> <p>Rules (21) 3:13,14,15;4:15,16; 5:13,17,21;6:1,4,6; 8:6,7;11:21,25;13:2, 5;14:15;15:9,12; 21:20</p>	<p>sensitive (8) 16:11,21;17:3;18:7; 19:6,24;20:24;21:3</p> <p>set (3) 6:6,7;15:9</p> <p>several (1) 15:18</p> <p>share (2) 5:4;12:4</p> <p>short (2) 22:1;23:15</p> <p>shorter (1) 18:10</p> <p>shorthand (1) 17:5</p> <p>shortly (1) 6:21</p> <p>similar (1) 20:15</p> <p>simply (1) 20:21</p> <p>six (1) 18:16</p> <p>Skaar (1) 8:1</p> <p>slide (14) 7:12;9:5,12;14:12, 17;15:3,16;16:24; 18:24;19:20;20:11; 21:9,10,15</p> <p>slope (1) 21:8</p> <p>slowly (1) 10:18</p> <p>social (1) 9:4</p> <p>solely (1) 17:18</p> <p>someone (1) 21:22</p> <p>sometimes (3) 9:1,2;13:7</p> <p>soon (1) 9:9</p> <p>source (1) 15:1</p> <p>spam (1) 9:2</p> <p>speak (8) 9:16,21;10:10,18; 14:1;22:13,15,19</p> <p>speaker (1) 13:21</p> <p>speakers (1) 13:23</p> <p>specific (3) 16:15;17:17;18:11</p> <p>Specifically (5) 3:15;4:19;12:25; 15:25;16:7</p> <p>specifications (1) 17:15</p> <p>specifics (1)</p>
Q			S	
<p>quality (2) 15:7;20:6</p> <p>queue (7) 9:18,22,24,25; 13:19;22:4,11</p> <p>quite (1) 21:22</p> <p>quotes (1) 11:4</p>			<p>safe (3) 17:6,8,25</p> <p>same (1) 11:13</p> <p>Sarah (3) 8:2;13:25;14:9</p> <p>screen (6) 6:21;8:12,22;9:11, 15;22:4</p> <p>search (2) 14:15,16</p> <p>second (6) 5:17;6:16;8:19; 9:25;16:3;23:2</p> <p>Section (2) 8:4;14:11</p> <p>seeing (1) 22:17</p> <p>select (1) 6:6</p> <p>selecting (1) 16:20</p> <p>self-governing (1) 5:3</p> <p>send (1) 9:15</p> <p>sense (1) 7:3</p>	<p>social (1) 9:4</p> <p>solely (1) 17:18</p> <p>someone (1) 21:22</p> <p>sometimes (3) 9:1,2;13:7</p> <p>soon (1) 9:9</p> <p>source (1) 15:1</p> <p>spam (1) 9:2</p> <p>speak (8) 9:16,21;10:10,18; 14:1;22:13,15,19</p> <p>speaker (1) 13:21</p> <p>speakers (1) 13:23</p> <p>specific (3) 16:15;17:17;18:11</p> <p>Specifically (5) 3:15;4:19;12:25; 15:25;16:7</p> <p>specifications (1) 17:15</p> <p>specifics (1)</p>
R				
<p>rather (1)</p>				

19:3 spelling (1) 10:15 staff (2) 9:23;22:3 stage (1) 18:7 stages (2) 15:24;18:2 Standard (1) 19:18 standards (2) 7:13;15:21 start (1) 9:22 state (2) 3:17,22 Statute (4) 4:19;15:13,21; 17:13 statutory (3) 5:16;6:9;12:24 stay (3) 10:1;12:10;23:11 stays (1) 10:25 still (2) 10:1;22:17 study (1) 16:22 submit (7) 4:6;7:13;8:17,20; 11:11;12:12,18 submitted (2) 9:9;11:12 submitting (2) 9:6;12:3 subpopulation (1) 18:8 subpopulations (2) 17:4;19:25 substance (1) 14:4 succinct (1) 10:11 suffer (1) 16:13 Supervisor (2) 8:3;14:10 supplement (1) 12:2 support (1) 6:18 supporting (1) 7:14 sure (3) 9:16;19:9;22:21 Surveillance (2) 8:4;14:11 susceptibility (1) 16:15 systems (1) 21:4	T table (3) 20:17,22;21:4 telephone (3) 9:20,20,24 testimony (1) 8:5 therefore (1) 16:23 third (1) 5:19 thoughts (2) 5:9,24 three (4) 5:15,22;11:18; 18:17 Thursday (1) 3:10 timeline (1) 21:11 today (15) 3:8,10;6:16,23; 7:16,21,24;9:13;10:7; 11:7,15;12:11,20; 13:16;16:5 Tom (3) 7:24;13:21,25 topics (1) 5:5 toxicity (1) 18:22 toxicologists (2) 18:14,19 transcribing (1) 6:23 transcript (2) 11:1,5 treatment (1) 17:21 turn (3) 6:12;10:4;13:17 two (1) 8:17 type (1) 20:9 typically (1) 17:25	unmute (1) 10:6 unmuted (1) 10:6 up (3) 14:16;21:19;22:23 updated (1) 19:25 updates (1) 18:20 upon (1) 6:4 use (3) 16:5,8;19:3 used (2) 15:12;19:16 uses (1) 4:3 using (4) 9:14;12:3;18:1; 19:23 usually (3) 17:11;19:20;21:6	way (3) 4:10;11:13;13:19 ways (1) 8:17 WebEx (3) 9:14;10:3;22:24 website (9) 4:2;6:20;8:20;9:7, 10,11;12:7;13:11; 20:17 weight (2) 11:16;18:6 welcome (2) 3:7;21:14 wellbeing (1) 5:5 whichever (1) 7:8 windows (1) 16:15 wisdom (1) 5:4 wish (4) 5:24;9:16;10:10; 23:21 wishes (1) 10:8 wishing (2) 22:14,18 working (3) 9:22;12:15;13:18 world (1) 19:20 writing (2) 11:17;12:20 written (10) 4:3,6;8:20;9:7; 11:8;12:3;21:15;23:7, 10,13	2 20 (3) 11:9;12:10;18:12 2001 (1) 15:20 2009 (5) 16:4,22;19:23;20:7, 8 2023 (4) 3:10;11:13;12:12, 18 26 (3) 11:13;12:12;23:11
			V value (14) 17:6,8;18:19;20:4, 5,6,7,9,9,18,24;21:2,5, 8 values (11) 17:11,18,22,23; 18:4,16,20;19:4,4,9; 20:3 variety (1) 15:23 versa (1) 11:17 via (1) 10:3 vice (1) 11:17 video (2) 10:4,4 view (1) 6:20 views (4) 5:25;6:2,4,5 virtually (1) 17:8 voices (1) 5:1	3 3 (3) 12:18;23:16,17 3,000 (1) 21:2 30 (1) 13:6 37 (1) 20:1 38941 (1) 4:1
			Y years (1) 18:12 Yesterday (3) 6:15,17;8:11 yesterday's (1) 7:18	4 4:30 (4) 7:8;12:12,18;23:17 4587 (1) 3:23 4717 (1) 3:15
			1 10:00 (1) 22:5 10:05 (1) 23:22 14 (1) 4:20 146 (1) 15:14 1989 (1) 15:4 1993 (2) 15:13,18	5 5-9000-38941 (1) 3:24
	U ultimately (1) 13:10 unable (1) 11:7 under (5) 5:13;8:23;11:22; 15:12;20:6 underlying (1) 5:2 Unit (2) 17:17;18:15		6 6 (1) 3:10	
			7	
			9 9:30 (2) 3:1,11	