

Solid & Hazardous Waste Division

1

1 WYOMING WATER AND WASTE ADVISORY BOARD

2 -----

3 IN RE: SOLID AND HAZARDOUS WASTE DIVISION

4 -----

5

6 TRANSCRIPT OF MEETING PROCEEDINGS

7

8

9

10

11 Pursuant to notice duly given to all parties in
12 interest, this matter came on for meeting on the 13th day
13 of December, 2017, at the hour of 9:04 a.m., at Laramie
14 County Library, Willow Room, 2200 Pioneer Avenue,
15 Cheyenne, Wyoming before the Wyoming Water and Waste
16 Advisory Board, Ms. Marjorie Bedessem, Chairwoman,
17 presiding, with Ms. Lorie Cahn, Mr. Klaus Hanson,
18 Mr. Alan Kirkbride and Mr. Brian Deurloo in attendance.

19 Mr. Luke Esch, Solid and Hazardous Waste
20 Administrator; Mr. Oma Gilbreth, STP Compliance
21 Supervisor; Mr. Adrian Ducharme, STP District 1
22 Supervisor; Ms. Karen Halvorsen, STP Manager; and Ms. Gina
23 Thompson, Water Quality Division, were also in attendance.

24

25

COPY

1 P R O C E E D I N G S

2 (Meeting proceedings commenced
3 9:04 a.m., December 13, 2017.)

4 CHAIRMAN BEDESSEM: Well, with the
5 administrative details taken care of, I'd like to call the
6 fourth quarter Water and Waste Advisory Board to order.
7 We'd like to start off by introducing the board members.
8 We will have a full board today. I'm Marge Bedessem. I
9 represent the public at large.

10 Brian Deurloo is in transit, on his way. He will
11 be here shortly. He represents industry.

12 And then I'll ask my other members to introduce
13 themselves.

14 BOARD MEMBER CAHN: I'm Lorie Cahn. I
15 represent the public at large.

16 BOARD MEMBER HANSON: Klaus Hanson, I'm an
17 elected official.

18 BOARD MEMBER KIRKBRIDE: Alan Kirkbride,
19 and I represent agriculture.

20 CHAIRMAN BEDESSEM: Thank you.

21 One of the -- the first item, actually, on the
22 agenda for today was to have election of officers.
23 However, we will rearrange the schedule a little bit so
24 that we can wait until Mr. Deurloo is here so that we can
25 have full board voting on that item.

1 So since we are moving that agenda item around
 2 and the next item on the agenda is the Solid and Hazardous
 3 Waste Division, so I would turn it over to Karen Halvorsen,
 4 who will be presenting the rule changes.
 5 MS. HALVORSEN: Thank you, Madam Chairman
 6 and board.
 7 We're here to talk about rule changes to Water
 8 Quality Rules and Regulations, Chapter 17. That rule's
 9 being moved into Solid and Hazardous Waste Division as
 10 Chapter 1. So we have a few introductory slides to go
 11 through. First of all, make some introductions here. Luke
 12 Esch, our administrator. Oma Gilbreth is our compliance
 13 supervisor. Oma will be answering a lot of technical
 14 questions that you might. Adrian Ducharme is going to be
 15 taking a few notes as we go along. And I'm Karen
 16 Halvorsen. I'm the program manager for the program.
 17 So next slide, Gina, please.
 18 So the background of this rulemaking is in
 19 response to the federal rule changes that were effective
 20 October 2015. EPA came out, after not making any rule
 21 changes since 1988. Based on the Energy Policy Act of
 22 2005, they made changes at the federal level. So we had
 23 to -- Wyoming does not have primacy for the program. In
 24 order to maintain getting our grant, we get about \$800,000
 25 a year in grant money from the federal government. We

1 needed to update our rules to meet the new federal rules.
 2 And we can't be any more or less stringent in our rules
 3 than the federal rules.
 4 These are the first changes, like I said, to the
 5 federal rules since inception of the underground storage
 6 tank program in 1988. We had to make some state statute
 7 changes prior to going to rulemaking. So those changes
 8 were made in 2017, this last legislative session.
 9 Next slide, Gina.
 10 BOARD MEMBER KIRKBRIDE: Excuse me. I have
 11 a question. \$800,000 for just this program? Just the
 12 underground storage -- or storage tanks?
 13 MS. HALVORSEN: Madam Chairman.
 14 Mr. Kirkbride, that's correct.
 15 BOARD MEMBER KIRKBRIDE: Thank you.
 16 MR. ESCH: And, Karen, before we move on
 17 from that point.
 18 Karen touched on the fact that we don't have
 19 primacy for our storage tank program. And these rules
 20 changes are a key piece in us obtaining primacy to the rule
 21 program going forward. After we incorporate these rules,
 22 we plan on applying for EPA to get primacy from that. Our
 23 conversations with EPA indicates it's likely we receive
 24 primacy after these rules are implemented. And that
 25 primacy really does add a layer of protection to Wyoming

1 operators.
 2 Currently, we operate our program basically with
 3 an agreement with EPA that our program's equivalent to
 4 theirs, but they don't officially acknowledge it. That
 5 leaves the door open that EPA could come into Wyoming and
 6 do an enforcement case against a Wyoming operator, because
 7 we don't have that primacy. Once we obtain primacy, we
 8 officially have the ability to -- we would be that person
 9 coming in, doing the enforcement actions. And EPA wouldn't
 10 have that ability to come enforce on that Wyoming operator
 11 without first going through us.
 12 So that's just kind of a little background why we
 13 feel these rules are so important for moving forward with
 14 the program.
 15 CHAIRMAN BEDESSEM: Thank you.
 16 MS. HALVORSEN: Okay. Just a couple of
 17 things I want to bring up. Because the Department does not
 18 have an official style guide, we use the Franklin Covey
 19 Style Guide, just because that's the one I'm most familiar
 20 with. I was writing the rule.
 21 I know that Gina uses the Chicago Style Guide.
 22 So I don't know the difference between those, but there are
 23 a few things. We did not include numbers in parentheses
 24 based on several things. The main thing was the governor's
 25 initiative to reduce the number of pages. So we cut out

1 words that we could and putting all those numbers in
 2 parentheses seemed to be one way to do that. Numbers are
 3 spelled out if less than 10, except when expressing units
 4 of time or measurement per the style guide. And we
 5 reformatted based on the new rules on rules.
 6 Next slide, Gina, please.
 7 Like I stated, this is going to become Chapter 1
 8 of the Storage Tank Program rules under SHWD. Since we're
 9 moving basically from the -- Solid and Hazardous Waste
 10 Division, sorry. We move the -- with the legislative
 11 session, our program was moved from Water Quality to the
 12 Solid and Hazardous Waste Division.
 13 We've updated all the standards, publications, et
 14 cetera, the references, and moved the full reference
 15 citation, name and date, to Section 2. That also made the
 16 rule a little more readable. And we were able to
 17 eliminate, again, some of those words that were not
 18 necessary.
 19 We've made some clarifications, editorial and
 20 formatting changes. We've updated the release reporting
 21 information to use our online spill reporting. We moved
 22 Water Quality Division Rule and Regulation Chapter 19,
 23 which was financial responsibility for underground storage
 24 tanks, into this chapter as Part N. And that reduced the
 25 number of chapters, per the governor's initiative

1 BOARD MEMBER CAHN: I have a question about
2 moving rules from one division to the other. So how does
3 that work, just with administrators and -- or, you know,
4 and personnel and staff? How does that --

5 MS. HALVORSEN: Madam Chairman. Ms. Cahn,
6 it's -- we've been working under Solid and Hazardous Waste
7 Division since 2006. So this -- by doing the statute
8 change to get our program into Water Quality -- or out of
9 Water Quality into Solid and Hazardous Waste, that just
10 cleaned everything up. So it's made no difference
11 administratively or -- the way we've been working for the
12 last -- well, for the last 10 years under Solid and
13 Hazardous Waste.

14 BOARD MEMBER CAHN: Thank you.

15 CHAIRMAN BEDESSEM: I think the only thing
16 that cropped up was it was confusing to the board when you
17 guys came in and you were under a different, you know,
18 portion of the WDEQ. But other than that, it seemed fairly
19 seamless.

20 MS. HALVORSEN: Right. So the major
21 summary -- this is just a summary of the changes and then
22 we're going to go through the rule. We've included all of
23 the EPA language from the CFR for previously deferred
24 tanks. When the CFR was written in 1988, EPA had deferred
25 airport hydrant systems and field constructed tanks because

1 they didn't have any mechanism for operating those tanks.
2 They didn't have any rules for those tanks. They now
3 have -- with the technology that's come on, they now have
4 what -- we now have a way to manage those tanks under the
5 program. State of Wyoming doesn't have any of those
6 tanks -- these kind of tanks in the program, but to be
7 as -- to follow the federal guide -- there's a new federal
8 rule -- we had to put those in -- those kind of tanks in
9 our program -- in our rules. Then if we were to get one of
10 these types of tanks, we'd have a rule to cover those. So
11 those are no longer deferred by EPA. We've added those to
12 the rule as Part M, and that basically came across from the
13 CFR verbatim.

14 We've eliminated Appendix A, which was just a
15 list of all the hazardous substance tanks that we regulate.
16 We only have six hazardous substance tanks in the state
17 right now. That eliminated about 30 pages of rule. We're
18 going to put out -- based on comments we got during
19 outreach, we're going to put that list of substances in a
20 guidance document. So it will be readily available, but
21 out of rule.

22 That's also referenced to CERCLA. It's a
23 CERCLA -- we regulate whatever EPA regulates for an
24 underground storage tank.

25 We incorporated changes made to the federal rules

1 in the 2017 statute. We removed language that's no longer
2 relevant. And then, as I was going through the rule, I
3 found some pre2015 federal language that was not in our
4 rule that needed to be added. So we have added some of
5 that language back in that somehow has been -- wasn't --
6 never in our rule. I don't know why.

7 Next slide, please.

8 We added requirement for operator training, which
9 was already in our rule based on EPA guidance during the --

10 BOARD MEMBER HANSON: Skipped a page.

11 MS. THOMPSON: Sorry. It was held up and I
12 kept clicking and advancing.

13 MS. HALVORSEN: Backing up. So the federal
14 rule changes summary, again, 1988 regulation did not
15 address operation and maintenance of spillover fill or
16 release detection equipment on tanks. When we're talking
17 about tanks, you can mostly think of just think like gas
18 stations. I mean, we regulate other tanks besides that,
19 but that's our main universe, is gas station tanks. So
20 that might help narrow your focus a little bit.

21 O&M of this type of equipment now requires
22 through the federal regulation walk-through inspections,
23 spill prevention equipment testing, overfill prevention
24 equipment, inspections, containment sump testing and
25 release detention equipment testing. So they added some

1 O&M for these new types of equipment

2 Now next slide, please.

3 MS. THOMPSON: There we go.

4 MS. HALVORSEN: We added a requirement for
5 operator training, which was already in our regulation
6 based on the 2005 Energy Policy Act. And we had done it
7 through EPA guidance. But now EPA has put it in the rule,
8 so we were able to actually put it in our rule in
9 accordance with the EPA guidance -- or EPA regulation

10 We added requirements for -- or they added
11 requirements for secondary containment for new and replaced
12 tanks and piping. EPA now requires compatibility of
13 emerging fuels. That's ethanol greater than 10 percent.
14 So like your E15 or greater and biodiesel, so they've added
15 those compatibilities. If you're going to switch to a --
16 one of these type of fuels, you need to show compat -- your
17 system -- your tank is compatible with what you're going to
18 put in the tank.

19 They updated codes of practice and made editorial
20 and technical corrections.

21 BOARD MEMBER HANSON: Can I ask a question?
22 This piping issue, that was the one about the corrosive
23 lining? Is that what it was all about?

24 MS. HALVORSEN: Some of those fuels can be
25 corrosive if your tanks are not compatible with the -- with

1 the materials.

2 BOARD MEMBER HANSON: And there was

3 something -- I read it sort of --

4 MS. HALVORSEN: Oh, in the rule?

5 BOARD MEMBER HANSON: Yeah, in the rule.

6 And it said something -- you needed to have an inner lining

7 to keep corrosion from occurring.

8 MS. HALVORSEN: Oma, maybe

9 MR. GILBRETH: And some of the older steel

10 tanks, they would actually add a lining inside the tank --

11 BOARD MEMBER HANSON: Correct, yeah

12 MR. GILBRETH: -- to prevent -- or make

13 sure that the product stored did not corrode the tank --

14 internally corrode the tank.

15 BOARD MEMBER HANSON: That's gone now or --

16 MR. GILBRETH: Actually, what happened is

17 the legislature in 2007 said that those lined tanks -- back

18 then you could -- you could have a lined tank in the

19 ground, a steel-lined tank in the ground. But there was

20 nothing preventing the corrosion to the exterior portion of

21 the tank.

22 BOARD MEMBER HANSON: Oh, okay. Yeah.

23 MR. GILBRETH: So in 2007 we got the

24 legislature to require corrosion -- or cathodic protection

25 on those tanks to prevent corrosion to the exterior. And

1 by doing that, we didn't have to worry about the lining of

2 the tanks.

3 BOARD MEMBER HANSON: Okay. All right.

4 Thank you.

5 MS. HALVORSEN: So this is just a picture

6 of a tank and things -- I want to give you an idea of kind

7 of things we'll be talking about. And as we go through the

8 actual -- or the rule, if you have questions about a

9 certain piece of equipment we're talking about, these

10 pictures may be helpful. And I also passed out a large

11 handout, a big fold-out handout, that shows -- if we open

12 it up -- if we get to the point where we get to some

13 technical issues that you want, that thing opens up pretty

14 big. It's got a lot of the equipment that we're going to

15 be talking about, if it's necessary. So you can think of

16 that's what it looks like underground. When you pull up to

17 the gas station, that's the stuff you don't see at the gas

18 station.

19 So this is just a quick diagram of the tank. And

20 we won't talk about it unless we have questions down the

21 road.

22 And then I have another picture here of a sump

23 that we can talk about if we need to.

24 Okay. So we're ready to move on to the rule?

25 CHAIRMAN BEDESSEM: Yes, ma'am.

1 MS. HALVORSEN: All right. So the rule

2 that we're going to put up to talk about is -- the version

3 I had emailed out to all of you little bit later did go

4 with your packet. And I handed out today a copy of that

5 one with the comments that has the line item -- line

6 numbers down the side, so if you have a question you can

7 refer to a line number. That might help us get through.

8 I know you've probably made comments on your

9 other copies, so it will be a back and forth thing for a

10 little bit.

11 So while Gina pulls that up -- so what I plan to

12 do is go through the rule, pretty quickly through the

13 nonsubstantive changes. Just the editorial and the

14 reference updates, that kind of thing. If there's any

15 questions about that as we go along, please stop me and we

16 can go through that. Then we'll talk more in-depth on the

17 substantive changes, which are basically changes made at

18 the federal level. Then we will talk about the analysis of

19 comments that we received up through December 4th. I was

20 able to -- and I didn't get any comments past December 4th

21 So we made those changes. And that was -- we were able to

22 get that to you late -- or later.

23 And then we will -- there's a few changes that we

24 did make to the rule that we're going to go through, based

25 on those comments. So that's the order we will go through.

1 So we'll want to go down past -- again, this is

2 just -- we're changing the -- I didn't do the -- okay.

3 Here we go. I didn't do -- I didn't update the table of

4 contents at this point.

5 So, again, this is going to be Chapter 1. So

6 stop me as I get going, if you have any questions as we go

7 along, otherwise we'll just go right through these pages.

8 Chapter 1, Storage Tanks, under the Solid and Hazardous

9 Waste Division, first paragraph under the Authority, we

10 updated the revised statute references. The rest of that

11 page, under Codes and Standards is all editorial.

12 The next, all the way down through -- these are

13 just updating all the references that we're using -- that

14 we're using throughout the document. What we did was we

15 moved all those references into Section 2, and we just

16 referenced -- so that's where the full citation of each

17 reference is made in Section 2 now.

18 So if you'll skip down through to page 8, Gina.

19 Next. Yeah, just down a little bit further.

20 So under -- on page 8, we have a couple of things

21 under the Purpose. So we've added the -- we're going to

22 provide underground storage tank system operators and

23 owners with the option of financial responsibility coverage

24 to help meet the federal requirements, and we're going to

25 provide aboveground storage tank system owners and

1 operators with the option of financial responsibility.
2 The aboveground tanks were included during the
3 statute this year, and this just brings the financial
4 responsibility from old Chapter 19 into this chapter. So
5 we just expanded the purpose of Chapter 1 to include the
6 old Chapter 19.

7 Our Applicability now has changed to include the
8 airport hydrant fuels distribution systems, and the field
9 constructed tanks that were previously deferred.

10 So next pair -- or next page, please.

11 The rest of this is just the changes made to the
12 federal reg by taking out those deferrals. That's why the
13 airport hydrants and field constructed tanks have been
14 removed.

15 (Board Member Deurloo is now present.)

16 MS. HALVORSEN: The Part C down here at the
17 bottom -- shall we wait just a minute? Would you like me
18 to wait just a minute?

19 BOARD MEMBER DEURLOO: My apologies.

20 MS. HALVORSEN: You're fine.

21 CHAIRMAN BEDESSEM: Did he have the stack
22 of paper for --

23 BOARD MEMBER DEURLOO: Another stack of
24 paper?

25 CHAIRMAN BEDESSEM: More paper.

1 MS. THOMPSON: I'm so sorry.

2 MS. HALVORSEN: So we're going through the
3 one I handed you there. And we're on page --

4 CHAIRMAN BEDESSEM: 9.

5 MS. HALVORSEN: -- 9.

6 BOARD MEMBER DEURLOO: Thank you.

7 MS. HALVORSEN: You're welcome.

8 So at the bottom page 9, number C -- (c), that
9 part will be removed from the section and moved to Section
10 6. It was one of our commenters that said that really
11 doesn't belong in Applicability, and we agreed with that.
12 So that will be discussed as we move forward into changes
13 that were made to this part of the regulation.

14 Okay. So the next bit here is just definitions.
15 All we did was update definitions per the new federal rules
16 and to clarify any definitions that we had based on our
17 statute.

18 So you can skip all the way over to page 19,
19 Gina. Unless anyone has any questions on any of those
20 definitions.

21 BOARD MEMBER HANSON: What is -- this
22 airport hydrant issue kind of interests me. Is this
23 because they are above tanks or because they're close to
24 airplanes or fire danger? What -- what's the reason for
25 all this?

1 MS. HALVORSEN: Oma?

2 MR. GILBRETH: Yes, sir. The reason why
3 they -- they took that exemption out is because under the
4 regulations, if more than -- greater than 10 percent of the
5 total capacity of the system is underground then it becomes
6 regulated under the CFR, and they specifically exempted
7 them because the technology back then, there was no leak
8 detection technology. Now they have it, and so they wanted
9 to bring them into the program so we can actually regulate
10 them.

11 These airports where they have these hydrant
12 systems, what it is is you have aboveground tanks and you
13 have piping running out to each of the jetways. And all
14 you do is hook a hose up and hook it up into the plane, and
15 that way you don't have to drive the tanker around. So
16 it's -- one of the problems they've had at these airports,
17 a lot of the old ones, like Stapleton, those places were
18 hammered with contamination because of those underground
19 piping systems. And because they're going to be regulated
20 now, they're going to have to do leak detection. And so
21 that prevents all that contamination along down the line.

22 BOARD MEMBER HANSON: Yeah, at Stapleton
23 they have underground piping. Because I remember I see
24 them gas up the planes with the hose.

25 MR. GILBRETH: At the new DIA, yes, they

1 do. The old Stapleton Airport was just hammered --

2 BOARD MEMBER HANSON: With leakage.

3 MR. GILBRETH: Yes.

4 BOARD MEMBER HANSON: Thank you.

5 MS. HALVORSEN: Again, we don't have any of
6 those types of systems in Wyoming.

7 BOARD MEMBER HANSON: Thank you.

8 MS. HALVORSEN: Okay. Starting at Section
9 6 on page 19, the changes to that first paragraph are
10 addition by EPA 20 -- 280.20. EPA is now requiring that
11 all new tanks and piping secondarily contained and
12 interstitially monitored.

13 They exempted some section piping, but our
14 statute doesn't allow that exemption, so that part of the
15 EPA rule is not put into our rule.

16 So moving on -- yeah.

17 CHAIRMAN BEDESSEM: Is there a particular
18 reason that it's not, or was it just an oversight in the
19 statute?

20 MS. HALVORSEN: They -- no. We -- EPA
21 exempted it from our rule, but we didn't exempt it. So --
22 and so section lines.

23 MR. GILBRETH: When the statute -- the Act
24 of 2007 was enacted, it just said all new and replacement
25 tanks and piping had to be double-walled and interstitially

1 monitored. And it didn't include exemptions.
 2 CHAIRMAN BEDESSEM: Include exemptions.
 3 MR. GILBRETH: So then we had to take it
 4 out of our rules because of the statute.
 5 CHAIRMAN BEDESSEM: Thank you.
 6 MS. HALVORSEN: Okay. So -- excuse me.
 7 The next -- page 20 is just updating references.
 8 21 is mostly editorial updating except for (iv)
 9 there on line 931. That was an EPA -- all tanks were
 10 required to install cathodic protection by June 20th --
 11 June 30, 2008, per our statute. So this paragraph has been
 12 modified to reflect the statute -- our statute.
 13 Next few pages here are just until you get over
 14 to 123 -- 1-23, 1-23. I mean -- yeah, right there. Spill
 15 and overfill prevention equipment. That -- so it's all
 16 been just updating references and editorial, but this is
 17 new EPA regulation 20-2 -- 280.20(c). Sorry.
 18 So that paragraph has just been updated to --
 19 CHAIRMAN BEDESSEM: Can you give us a line
 20 number?
 21 MS. HALVORSEN: I'm sorry. That's 1039.
 22 CHAIRMAN BEDESSEM: Thank you.
 23 MS. HALVORSEN: Uh-huh.
 24 So that part of that 1039 through 1045. That's
 25 the new -- that's revised to reflect the new EPA

1 regulation.
 2 So there's been some exceptions, except as
 3 provided in Section 6(c)(ii) and 6(c)(iii). And we'll get
 4 into those when we get down into Section 6. But that's --
 5 it's just basically written to reflect the federal rule.
 6 So as we move on to the next page, 24, on line
 7 1064, we're clarifying there that in order to meet the
 8 requirement of the section, the alarm must be audible and
 9 visible to the transfer operator, so the operator knows to
 10 stop the transfer of fuel into the tank.
 11 The rest of this and down to line 1084 -- 1084 is
 12 new EPA regulation 20 -- 280.20(c)(iii) and (iv), spill and
 13 overfill prevention equipment shall be periodically tested.
 14 That's just reflecting new language.
 15 So then we have editorial all the way over to
 16 page 26, line 1185. That's new EPA regulation 208.20(f)
 17 [sic] under- dispenser containment -- they've add under-
 18 dispenser containment to the regulations. So this just
 19 adds this requirement into our -- our rules.
 20 Section 7, on line 1191, we've taken out the "out
 21 of use" part of that for substandard tanks because EPA has
 22 moved that down farther in the regulation. So, basically,
 23 USTs can't be brought back into service if they're
 24 substandard -- if they don't meet the new -- if they don't
 25 meet the standards, they can't be brought back into

1 service.
 2 And then on page 27, on line 1196, they -- EPA
 3 addressed the permanently closed tanks. That's why it's
 4 taken out of earlier -- that line 1193 and placed back in
 5 1196, that they -- a permanently closed tank can also not
 6 be brought back into service if it doesn't meet the
 7 standard requirements in Section 6.
 8 So we just have updated references until we get
 9 over to line 1278 -- or 1269. That last sentence at 1268
 10 has been added, the noncorrodible pipes and fittings
 11 prepared in accordance with the manufacturer's
 12 specifications, that's per the new EPA regulation.
 13 And then the next paragraph V, at line 1271, is
 14 also part of the new federal regulation on repairs. Then
 15 we have editorial all the way down to line 1330. And this
 16 is -- this is a -- we added this for -- whenever the
 17 integrity of the primary or secondary wall of a double-wall
 18 tank has been compromised, repairs have to be made in
 19 accordance with manufacturer's recommendations. It's not
 20 in the EPA regulation, but we wanted to make sure that they
 21 weren't -- that people were no longer operating single-
 22 walled tanks. A double-walled tank, if the inside tank
 23 fails, they can't operate it anymore as -- they can't just
 24 change it and make it a single-wall tank, because we don't
 25 allow single-wall tanks anymore. The state doesn't and

1 federal -- federal rule doesn't either.
 2 See line 1342, we just defined that testing under
 3 this section has to be done by a licensed tester.
 4 Okay. So now we've moved into Part C. And most
 5 of this is just editorial for that first page, page 31.
 6 Page 32, we're just cleaning up some things and
 7 making some clarifications.
 8 Get over to 1455, that's the periodic testing of
 9 spill prevention equipment and containment sumps. This
 10 whole section has been added to meet the new EPA regulation
 11 at 280.35. So they're now requiring -- this is where they
 12 require -- they're now requiring this testing and -- of the
 13 spill prevention equipment and sumps, which wasn't required
 14 previously.
 15 Then page 35, all the way through to 37, is just
 16 editorial comments.
 17 We've -- at 1621 on page 36, we've added that CP
 18 repairs -- cathodic protection system repairs have to be
 19 completed within 30 days. There was nothing in the
 20 federal -- or there's nothing in the EPA that said how long
 21 those could go without being repaired. But we can actually
 22 limit -- we can actually prohibit them to get fuel in that
 23 tank if they don't complete the repairs within 90 days. So
 24 we want to make sure that the owner is able to -- knows
 25 they need to complete those repairs so that we don't issue

1 them a red-tag order to prohibit fuel into the tank.
 2 Are you with me, Madam Chairman?
 3 CHAIRMAN BEDESSEM: Yes. Yes.
 4 MS. HALVORSEN: Everything okay?
 5 Okay. On page 37, line 1637, we added that that
 6 paragraph was added in response to the meeting with the
 7 marketers. And we agreed those repairs may be replaced
 8 without a -- without design by a CP expert.
 9 The rest of this is just editorial until you get
 10 down to, let's see, Capability on page 37. 1643, that's
 11 the capability issue we talked about earlier where the
 12 tanks have to be compatible with the product being stored.
 13 That's been put into the EPA regulations so that's now in
 14 our regulation.
 15 On page 39, line -- starting at the very top of
 16 that page, 1704, we've just added that the owners/
 17 operators have to provide us access to those -- to that
 18 equipment when we go in and test it. And if we have to
 19 open that equipment, the Department's not responsible for
 20 damages. The rest of that is all editorial with a few
 21 notification requirements made by EPA.
 22 Again, the next couple pages are -- let's see,
 23 page 14 -- 1-40, that's all editorial with a few comments
 24 made -- changes made by EPA. We get down to 1792 on
 25 page 40, Monthly Inspections. This was all added as EPA

1 new regulation 280.36. That's their new multi-inspection
 2 requirements. And all that through page 41 is still part
 3 of that regulation for monthly inspections. Actually all
 4 the way down to line 1850 is all on new EPA regulation
 5 And we have editorial -- editorial comments,
 6 again. We've revised some things on page 43, starting
 7 at paragraph -- beginning on line 1904, based on the
 8 marketers -- Petroleum Marketers concerns regarding spill
 9 bucket and sump containment requirements for annual
 10 testing. So that paragraph is modified in response to
 11 comments we received from the Marketers. The rest of page
 12 43 is all EPA -- new EPA regulations.
 13 Page 44 is, again, just cleaning up some things,
 14 some editorial. And down on line 1960, we've addressed the
 15 Marketers comments as well regarding electronic submittal
 16 of records
 17 Okay. We get over to part D. On page 46, this
 18 is -- so on 1997, line 1997, that's new EPA Regulation
 19 280.40. And then the rest of this is just updating
 20 references and editorial changes.
 21 We've done some clarification on page 48, at line
 22 2068. That's just some clarification.
 23 BOARD MEMBER HANSON: Can I ask you a
 24 question? Actually it's a stylistic question. In 1997,
 25 "Beginning October 13, 2018, is operated," there's no

1 subject there
 2 MS. HALVORSEN: What line? I'm sorry.
 3 BOARD MEMBER HANSON: 97, 1997. I just --
 4 it caught my eye. Is the subject somewhere earlier?
 5 MS. THOMPSON: I think -- if I might
 6 interrupt, Madam Chair. I believe it's in starting on line
 7 1983. This -- this item only 1997 is a continuation of
 8 that paragraph (a) -- or subsection (a)
 9 MS. HALVORSEN: Right. That's right, Gina
 10 BOARD MEMBER HANSON: Okay.
 11 MS. HALVORSEN: So "Owners or operators of
 12 UST systems shall provide" --
 13 THE REPORTER: You need to slow down.
 14 MS. HALVORSEN: "Owners and/or operators of
 15 UST systems shall provide a method, or combination of
 16 methods, of release detection that...beginning October 13,
 17 2018, is operated" --
 18 BOARD MEMBER HANSON: Is operated. Okay
 19 MS. HALVORSEN: -- "and maintained"
 20 BOARD MEMBER HANSON: Thank you.
 21 MS. HALVORSEN: You're welcome.
 22 BOARD MEMBER HANSON: Makes sense now
 23 BOARD MEMBER KIRKBRIDE: Madam Chairman
 24 Now I have a -- I want to back up just a little. We talked
 25 about inspections that the operator does in the previous

1 section. And I'm just wondering what about inspections
 2 done by the Department? By the --
 3 MS. HALVORSEN: Madam Chairman.
 4 Mr. Kirkbride, our inspections that we do are not contained
 5 in the rule. We have guidance document that takes care of
 6 our inspections. This rule just applies to what the
 7 owners/operators have to comply with. Okay?
 8 BOARD MEMBER KIRKBRIDE: And can I ask,
 9 then, how often -- I mean, on these systems, what kind
 10 of inspections are done by the Department?
 11 MS. HALVORSEN: Madam Chairman
 12 Mr. Kirkbride, we do inspections on a three-year cycle.
 13 That's required by EPA. Although we are attempting to do a
 14 two-year cycle. And Oma can answer exactly what we do out
 15 there.
 16 MR. GILBRETH: Madam Chairman and
 17 Mr. Kirkbride. We actually are at a 1.7 to 1.8 year
 18 interval in between expenses. When we go out there, we do
 19 a full compliance, make sure we -- make sure they're
 20 complying with these regulations.
 21 BOARD MEMBER KIRKBRIDE: How long does it
 22 take to --
 23 MR. GILBRETH: It takes -- Mr. Kirkbride,
 24 it could take anywhere from 20 minutes to an hour and a
 25 half, two hours. It just depends on the size of the

1 facility. We have emergency generator sites where we can
 2 be out of there in 25 minutes. Whereas we go to a major
 3 truck stop, it could be three or four hours sometimes.
 4 CHAIRMAN BEDESSEM: I have another
 5 question.
 6 So back on line 1622, when you're talking about
 7 cathodic protection system failures. So there's some time
 8 allowed for repairs within 30 days, repairs completed with
 9 90 days -- within 90 days. And so then is the -- the
 10 system -- the tank system still operating through that time
 11 period?
 12 MS. HALVORSEN: That's correct.
 13 CHAIRMAN BEDESSEM: Okay. So, you know, to
 14 give the operator some time and leeway to get this back up
 15 and running. Okay.
 16 In line 1333, when you were talking about failure
 17 of one of the walls in a double-wall tank. So I'm
 18 assuming, you know, if you've got interstitial monitoring
 19 and find out that you've got a leak, let's say, of the
 20 inside tank --
 21 MS. HALVORSEN: Uh-huh.
 22 CHAIRMAN BEDESSEM: -- then when it says
 23 here the tank -- it says repairs shall be immediately in
 24 accordance with the tank manufacturer's recommendations.
 25 So just if they find a leak, you know, like the inner tank

1 is compromised, do they have to shut it down immediately,
 2 or do they have some leeway like you have for the cathodic
 3 protection system? Because we seem like we have two
 4 different cases --
 5 MR. GILBRETH: Yes.
 6 CHAIRMAN BEDESSEM: -- where we're at, you
 7 know, allowing some reasonable practical time for them to
 8 handle it in case of cathodic protection, but in this case,
 9 all we've got is the word "immediately."
 10 MR. GILBRETH: Madam Chairman, the way
 11 cathodic protection works is it protects from corrosion.
 12 CHAIRMAN BEDESSEM: Uh-huh.
 13 MR. GILBRETH: And so it takes a while for
 14 the tank to actually corrode.
 15 CHAIRMAN BEDESSEM: Uh-huh.
 16 MR. GILBRETH: Whereas in this case those
 17 tanks are designed so the primary contains all the pressure
 18 of the tank -- the product inside. Whereas the secondary's
 19 not really designed to routinely contain product.
 20 CHAIRMAN BEDESSEM: So pretty much if they
 21 get a reading in the interstitial monitoring, then
 22 basically they need to shut down right away.
 23 MR. GILBRETH: Madam Chairman, they have
 24 seven days to actually do a test to prove that it's fully
 25 compromised. Because sometimes you'll get like liquid in

1 the interstitial and whatnot.
 2 CHAIRMAN BEDESSEM: Okay.
 3 MR. GILBRETH: You have seven days to
 4 actually investigate. And that's actually in Section 19.
 5 CHAIRMAN BEDESSEM: Okay. So they have a
 6 seven-day window.
 7 MR. GILBRETH: Yes.
 8 CHAIRMAN BEDESSEM: And with cathodic
 9 protection, you've got a 90-day thing to take care of it,
 10 and seven days for this.
 11 MR. GILBRETH: Yes.
 12 MS. HALVORSEN: And the seven days, Madam
 13 Chairman, will just allow them to go in and verify that
 14 they actually did have a release or a leak. The tank is
 15 actually compromised. And if that's true, then, yes, they
 16 have to shut down.
 17 CHAIRMAN BEDESSEM: They have to shut down
 18 immediately. And that's what this "immediately" is
 19 referring to.
 20 MS. HALVORSEN: Then like Oma said, you go
 21 to Section 19, where the reporting --
 22 MR. GILBRETH: Suspected release.
 23 MS. HALVORSEN: Suspected release reporting
 24 covers the seven-day window.
 25 CHAIRMAN BEDESSEM: So it's just -- I'm

1 just having a hard time. When you go through the rule when
 2 you get to (e) and you say whenever the integrity is
 3 compromised, you know, to lead someone who's leading this
 4 rule back own Section 19 to know they've got seven days to
 5 figure it out.
 6 MR. GILBRETH: Madam Chairman, actually,
 7 it's specifically outlined in Section 16.
 8 CHAIRMAN BEDESSEM: Okay.
 9 MR. GILBRETH: Any type of leak detection
 10 detection methods, including interstitial monitoring --
 11 CHAIRMAN BEDESSEM: Okay.
 12 MR. GILBRETH: -- indicates a suspected
 13 release. Then you have to go to Section 19 to report and
 14 investigate a suspected release.
 15 CHAIRMAN BEDESSEM: Okay. Gotcha.
 16 MR. GILBRETH: That's further along in the
 17 book.
 18 CHAIRMAN BEDESSEM: Okay. So it will all
 19 tie together.
 20 MR. GILBRETH: Yes.
 21 MS. HALVORSEN: We hope.
 22 CHAIRMAN BEDESSEM: We hope. Plus, I'm
 23 sure people that own tanks get very familiar with this,
 24 so...
 25 BOARD MEMBER HANSON: Madam Chair.

1 CHAIRMAN BEDESSEM: As opposed to us who
2 are looking at it mostly for the --

3 BOARD MEMBER HANSON: Same -- I'm coming
4 back to my question of the tank on 287. Here it says, you
5 know, that the tank shall be permanently closed in
6 accordance with Section 31. So what happens to the tank?

7 Is it just going to sit there and -- and -- or do you have
8 some provision later on that it's going to be removed
9 and -- whether it's decommissioned or is it just going to
10 stay there? Because it looks like it's just staying there.

11 MS. HALVORSEN: Madam Chairman.
12 Mr. Hanson. Oma?

13 MR. GILBRETH: Mr. Hanson, Section 31 is
14 permanent closure section, and that actually gives
15 requirements -- the requirements for permanently closing a
16 tank system.

17 BOARD MEMBER HANSON: And removing them, et
18 cetera. Just wanted to be sure that this isn't the end of
19 the performance.

20 MR. GILBRETH: No, sir.

21 BOARD MEMBER HANSON: Thank you.

22 CHAIRMAN BEDESSEM: Okay. Thank you very
23 much for answering. I wanted to understand the difference
24 between those two scenarios. So thank you for -- for
25 informing me.

1 MR. GILBRETH: You're welcome.

2 MS. HALVORSEN: Sure.

3 CHAIRMAN BEDESSEM: Now that we've messed
4 up what spot you're in.

5 MS. HALVORSEN: No. We're good. We're
6 on -- Gina says we're on Section 14, so she would know.

7 Okay. So page 46, most of this is just again,
8 just new EPA regulation and updating references. Same with
9 page 47. Same with 48. 49, we got some clarifications
10 in -- on page 48 and 49, just to clarify some things.

11 Get over to page 50, line 2173. Well, line --
12 the paragraph starting on line 2168, that's new EPA
13 regulation. The paragraph on starting line 2173 was
14 clarify -- added and clarified based on Petroleum
15 Marketers -- meetings with Petroleum Marketers and how
16 we're going to place -- have them place their sump sensors.

17 The next line on -- or next paragraph 2181 was
18 our new statute. And we have more editorial toward the end
19 of that page.

20 Page 51, this was again, statute changes made on
21 page 51. And we modified the table that begins on page 51
22 to reflect the new EPA regulation. The paragraph starting
23 on line 2241 was removed, because it's no longer relevant
24 due to the new EPA regulation and our statute.

25 Get into some more editorial throughout page 52,

1 53, 54. Page 54 on line 2312, that was -- that line was
2 taken out because it was not in the federal regulations.
3 We did some more clarifying, and most of this is now just
4 editorial down to page 55, paragraph that starts on 2383,
5 that was clarified in response to a May 2017 Marketers
6 meeting that we had.

7 Page 56, line 2398, that paragraph was added.
8 Again, that's EPA regulation 280.43. Then it's editorial
9 through page 60. Get down to line 2597, that's -- that
10 paragraph starting at 2594 actually was a new statute.

11 We have 26 -- line 2610 is new EPA regulation.
12 All of page 61 is editorial with new EPA regulations added
13 in. Editorial on page 62. Editorial on page 63. At line
14 in the Hazardous Substance UST Systems section, line 2715,
15 again, we removed that Appendix A, and we're just going to
16 refer to CERCLA. And we are going to write guidance
17 document based on comments we got listing all those
18 substances.

19 The rest of this page is editorial and EPA
20 comments -- or EPA additions. We go to page 65, line 2819.
21 This line was one of those things that wasn't included in
22 our previous regulation, but it is in the old EPA
23 regulations, so that was added.

24 Moving on to Part E, page 66. This is all
25 editorial and EPA additions, all the way through to line

1 2939 on page 68. We've -- we've added in here that, again,
2 if the primary wall fails on a double-wall system, an
3 integrity test of that outer wall has to be completed to
4 make sure that you didn't have a release to the
5 environment.

6 Next page, 69, is editorial. The end of that
7 page on line 3008 is the new EPA regulation. We've
8 clarified that -- on page 70, line 3010, we clarified that
9 the audit by EPA is required for the 12 -- 12 months
10 preceding not for the last year. That seemed to be some
11 confusion.

12 Moving on, these are just editorials, through 71.
13 72 is editorial with some revising of the DEQ's spill
14 reporting procedures. Editorial through page 73, 74, 75,
15 76, 77. We've updated some references as well. We added
16 on page 78, at 3380, that the -- we added a paragraph that
17 the voluntary remediation is available for tank owners, but
18 are not eligible for the Storage Tank Program. The rest of
19 that's editorial.

20 Page 79, 3439 we've added that the public notices
21 are posted to our website. That meets the EPA's community
22 engagement initiative.

23 Editorial for page 80. Editorial page 81.
24 We've -- on page 82, starting at line 3507, we've revised
25 that section to clarify how and why corrective action

1 was -- while we're doing cleanups, why and how those can be
2 stopped, if we were to stop corrective action at a site.
3 And the public notice, again, is required by -- to stop
4 corrective action is required by EPA under 280.67.

5 Part F is minimum site assessments. This entire
6 section was rewritten. It's not part of EPA guidance, but
7 we rewrote it to -- to make it consistent. We had some
8 inconsistencies on depths, that kind of thing. We think
9 this section now is less cumbersome on the regulated public
10 the way it's written now. So this whole section has been
11 just revised to hopefully make it less cumbersome on the
12 public and more consistency. So I'm just going to go right
13 through that section unless you have any questions on that.

14 Part G. This is the closure. So we're on page
15 92, line 3863. This is where we tell how they have to
16 close the -- close the tanks. Your question earlier.

17 BOARD MEMBER HANSON: Thank you
18 MS. HALVORSEN: You're welcome.

19 So a lot of those closure requirements are listed
20 in -- by EPA at 280.70. And then we have done some
21 editorial and just some -- some updating of the -- of the
22 rule.

23 We also did some statute change on page 93, on
24 line 3928. That paragraph (c), starting at line 3919,
25 actually, was some 2017 statute change that temporarily out

1 of use tanks can -- now have to be closed within 12 months.
2 Before the EPA didn't have any rule for those tanks. They
3 could sit in the ground forever, so...

4 BOARD MEMBER KIRKBRIDE: They can still sit
5 in the ground. Be destroyed in place -- can they be?

6 MS. HALVORSEN: Madam Chairman.
7 Mr. Kirkbride, they can fill those with inert material if
8 they're in the ground.

9 BOARD MEMBER KIRKBRIDE: Clean them first,
10 right?

11 MS. HALVORSEN: Yep. Or they can pull
12 them. They can remove them. But they can stay in the
13 ground under temporarily out of use status for a year.
14 Unless they're an operating gas station. If the gas
15 station's operating and they have one tank that they're
16 going to put in temporarily out of use status, because they
17 have an operator on-site and there's people paying
18 attention to those tanks, we let -- this doesn't apply.
19 The 12 months doesn't apply. This applies to something
20 like -- think of an old gas station where they've turned it
21 into a car wash, that tank can no longer just sit there
22 indefinitely. It's got to be removed or closed in place.
23 Okay.

24 Okay. Page -- so that takes us all the way
25 through all the closure requirements.

1 Part H, page 97, that's all then just editorial.
2 We've taken out line 4093, the pilot facility, that's no
3 longer required by water quality rules. We've taken that
4 out.

5 Part I, starting on page 98, that's our
6 aboveground storage tank or AST systems. ASTs are not
7 regulated by EPA. So this is -- they are regulated -- ASTs
8 that sell fuel to the public. So it's not -- we're not
9 talking aboveground tanks at refineries. We're talking
10 about fueling facilities where they're actually selling to
11 the public. Those are the only type of tanks that were put
12 into our statute. Put into our statute in '95 or '96, '94,
13 something like that. So these rules apply just to those
14 type of tanks. And this is not any -- EPA has nothing to
15 do with ASTs.

16 The majority of this has been -- this section is
17 editorial and clarifications. And we've tried to make the
18 UST regulations and the AST regulations the same. So if --
19 if under the federal law UST has 60 days to do a test,
20 we've made sure the AST operator had 60 days to do a test.
21 So there's consistency where before in some places there
22 wasn't.

23 So skipping all the way through this section to
24 Part J. On page 111.

25 BOARD MEMBER DEURLOO: Sorry. Madam

1 Chairman, I have a question on Part H.

2 So just reading through this again here on the --
3 the pilot facility testing. Pretty short section. You
4 struck from line 4093, pilot facility. Say somebody has a
5 new technology, how would one go about testing this new
6 technology?

7 MS. HALVORSEN: Madam Chairman.
8 Mr. Deurloo, we have under this -- under this section, New
9 Technologies, we have the -- an evaluation flexibility
10 making --

11 Where is that, Oma? Under the -- am I looking at
12 the wrong section?

13 MR. GILBRETH: 33(a).

14 MS. HALVORSEN: 33(a).

15 MR. GILBRETH: New technologies,
16 procedures.

17 MS. HALVORSEN: The Department has the
18 ability to look at new technology. We just didn't want to
19 require the -- be required a pilot facility. So we could
20 look at a new -- a new technology. Whatever the engineer
21 would submit to us, we would look at it as a --

22 BOARD MEMBER DEURLOO: So did they need
23 a -- so I see this.

24 MS. HALVORSEN: I see what you mean. Maybe
25 we should have left "pilot facility" and just dropped it at

1 a permanent to construct. "Pilot facility. If an
 2 applicant wishes to construct a pilot facility, to
 3 demonstrate a particular technology or generate the data
 4 necessary to prove the technology" -- we just didn't want
 5 them to have -- that -- that paragraph meant that they had
 6 to get a -- a permit to construct that facility. We took
 7 out that requirement, they have to get the permit. But
 8 under (a), we would -- or (b) -- (a) and (b), basically, we
 9 would look at whatever they would -- they would submit to
 10 us, but they wouldn't have to have a permit to construct
 11 that facility is what (b)'s saying. But anything that they
 12 wanted to submit to us to look at, we would take a look at.

13 BOARD MEMBER DEURLOO: Okay.

14 MS. HALVORSEN: Does that make sense?

15 BOARD MEMBER DEURLOO: Yeah, it does. As
 16 long as we're encouraging trying new things that work.

17 MS. HALVORSEN: Yeah, that's --

18 BOARD MEMBER DEURLOO: Okay. Thank you.

19 MS. HALVORSEN: You're welcome.

20 Okay. So Part J, page 111, these are
 21 environmental restoration standards. This has been
 22 updated. I just did some -- tried to do some cleanup of
 23 the section. This is not, again, an EPA regulation. Our
 24 statute indicates that we will put into rule our cleanup
 25 standards. So basically when we go out -- the State does

1 cleanup. When we go out and do cleanup, we will go to
 2 maximum contaminant levels in groundwater, and then we do a
 3 soil analysis to find out when clean is clean. When it's
 4 clean enough. So this section just provides basically our
 5 engineers doing work for us, all the equations to come up
 6 with the cleanup standards for telling when -- when we're
 7 out doing remediation when clean is clean, basically.

8 All I did was basically go through and try to
 9 clean it up and do some editorial and consistency things,
 10 that kind of thing.

11 So we get over to page 129, Part K. That's
 12 editorial on that first page. Page 130, at line 5494, we
 13 are changing that date that we can red-tag a facility.
 14 Red-tag means we would -- we could prohibit delivery of
 15 fuel to that facility. That's per EPA rule. If they
 16 haven't paid their tank fees by April instead of September,
 17 we thought three months was long enough to pay tank -- tank
 18 fees are due January 1. So we can -- we can red-tag the
 19 facility if they don't have it paid by April instead of
 20 September. The rest of that's all editorial.

21 Next page, 131, we've added -- so this whole
 22 section here, as -- as reasons for restricting fuel
 23 delivery. All the way through line 5548. So these were
 24 some of the -- these last three items, starting on line
 25 5537, these were added per EPA reasons -- we can restrict

1 fuel delivery based on their new -- their new rules

2 So the rest of that page, 131, is editorial. The
 3 rest of this page -- until we get down to page 133, 5624,
 4 we didn't have a one-time fuel delivery allowance. There's
 5 some tests that if they don't have fuel, they can't run the
 6 test to get fuel -- to get back in compliance to get fuel.
 7 So we added a one-time -- we were allowing them to do that,
 8 but we thought we should have it in rule that they can get
 9 fuel to run the test.

10 So Part L on page 131.

11 BOARD MEMBER DEURLOO: 134.

12 MS. HALVORSEN: Oh, 134. I'm sorry. Thank
 13 you

14 Editorial. This is our licensing section for
 15 tank operators, installers and testers have to be licensed.
 16 This section, again, wasn't in EPA regulation per se. They
 17 have -- EPA has a lot of different ways you can go about
 18 getting a license. And we don't have staff to review --
 19 say Maverik comes up with their own -- we're going to --
 20 we're going to license -- we're going to test our
 21 license -- our operators this way, and then Flying J says,
 22 well, we're going to test our operators this way. Well
 23 then Oma and his crew has to go through all those -- every
 24 scenario people can come up with -- all these companies
 25 could come up with. So we have actually put it in rule

1 what we were going to allow, and that is the ICC exam
 2 That's been in our rule since the rule -- since our rule is
 3 written in 2007, based on EPA guideline.

4 The problem with the way the EPA guidance -- or
 5 EPA law was written was they said if you didn't have -- the
 6 states didn't have primacy -- that states that had
 7 primarily could just go about doing what they've been
 8 doing. The states that didn't have primacy, you had all
 9 these other options that you could look at. Again, we
 10 don't have resources to look at all those other options.
 11 So per statute this year, statute says that they will have
 12 to take an exam. So that -- this -- this section now has
 13 been modified and updated to reflect the statute and just
 14 what we have been -- it's basically what we have been doing
 15 for licensing testers and installers. So there's a lot of
 16 editorial things in here.

17 We moved, on page 136, that -- starting on
 18 line 5729, that inspection has all been moved to I think
 19 Section 13, which is the inspection section. So we tried
 20 to get wherever there was an inspection talk -- when
 21 they're talking about inspections in the rule, we want
 22 inspections all in one place, not scattered throughout. So
 23 we've done some rearranging and we updated some references.

24 Get over to page 142, line 6008, that implement
 25 date's past, so we took out that paragraph.

1 We get to page 143. This is Part M. These are
2 those field constructed tanks and airport hydrant fuel
3 distribution systems. This is basically verbatim from EPA
4 regulation 280.250 through 280.252, which brought those
5 tanks now into the regulation.

6 Then you skip over to -- so that's just all --
7 that's verbatim from EPA. Skip over to page 149, Part N,
8 Financial Assurance For Underground Storage Tanks. That
9 was the old Chapter 19 for financial assurance, and we
10 brought into this chapter to reduce the number of chapters,
11 per the governor's initiative.

12 Page 161, we just eliminated Appendix A, like we
13 talked about, that eliminated about 30 pages. And, again,
14 we only regulate six hazardous tanks. But if one of these
15 tanks came in with one of these substances, we're covered
16 because it's covered under CERCLA, and it's covered --
17 we'll have a guidance document that basically lists all
18 these.

19 So that's it in a nutshell.

20 BOARD MEMBER HANSON: Pretty big nutshell.

21 BOARD MEMBER KIRKBRIDE: I have some really
22 basic questions about the whole thing. Let's go back --
23 financial assurance, for instance. There are assurance
24 policies available for protection? Is that what that
25 means? Or just somehow -- well, what does that mean? What

1 does an operator have to have to be financially
2 responsible?

3 MR. GILBRETH: Under federal regulations,
4 these operators, if they are -- have less than I think it's
5 15,000 gallons throughput, they have to have \$500,000 worth
6 of financial assurance. Everybody else has to have a
7 million dollars worth of financial assurance. And if they
8 have over 101 tanks nationwide, they have to have
9 \$2 million financial assurance.

10 In 1990, I think it was, the legislature created
11 a financial responsibility account. That allowed
12 operators -- that helps cover operators for that million
13 dollars worth of financial responsibility. However, the
14 legislature also said that they had to have -- if they have
15 a judgment, a third-party impact, the State will cover up
16 to a million dollars. However, the owner-operator has to
17 come up with 30,000 as, quote unquote, a deductible. Okay?
18 So this --

19 BOARD MEMBER KIRKBRIDE: The State's
20 insuring?

21 MR. GILBRETH: It's a noninsurance proviso
22 in the statute, but it is -- they're covering them. We'll
23 just say that. However, this part here, it says if they
24 don't pay their fees, they're not eligible for that. So
25 they have to have this financial assurance if they don't

1 pay those fees.

2 BOARD MEMBER KIRKBRIDE: Okay.

3 MR. GILBRETH: But, yes, the State is
4 covering them.

5 MS. HALVORSEN: Madam Chairman.

6 Mr. Kirkbride, it's a judgment -- it has to be a judgment
7 against the owner -- tank owner that they affected a third
8 party. So a third party would have to go out and sue the
9 tank owner for damages, and then we would cover the --
10 whatever that judgment was, the tank owner pays the first
11 30,000, and then the State pays \$30,001 up to a million.

12 The State program, though, the corrective action
13 account, cleans up third-party sites affected by source
14 sites. So that million-dollar financial assurance account
15 has never been used because everyone -- the tank owners are
16 all in our program. They stamp on their fees, and then we
17 cover a third-party cleanup. The State does third-party
18 cleanup under the corrective action account.

19 BOARD MEMBER KIRKBRIDE: Second question.
20 What about a small cont -- you know, farm -- on-farm fuel
21 storage? Small business. Local, you know, individual who
22 just has his own supply of fuel. What about those kind of
23 things?

24 MR. GILBRETH: Mr. Kirkbride. Madam
25 Chairman. Under state statute, underground -- we only

1 regulate underground storage tanks and retail aboveground
2 storage tanks. The underground storage tanks -- now, if
3 you have aboveground storage tank at your farm, it's not
4 covered under our program. It's not regulated. However,
5 if you have an agricultural tank and it has a capacity of
6 greater than 1,000 gallons -- is it 1100?

7 MS. HALVORSEN: Some small amount.

8 MR. GILBRETH: I think it's 1100 gallons.
9 If the underground tank has capacity of larger than
10 1100 gallons, then it's regulated by our program. However,
11 most of the farms have thousand-gallon underground tanks.

12 BOARD MEMBER KIRKBRIDE: Okay. My third
13 question. What about the pipelines? Pipelines in the big
14 substations and surely there are tanks and things. There's
15 a lot of fuel going -- going passing through. What -- how
16 does that come in --

17 MR. GILBRETH: Those are specifically
18 exempted by statute. Those are exempted from our program
19 by statute. Interstate pipelines and processing
20 facilities.

21 BOARD MEMBER KIRKBRIDE: So that's -- EPA
22 is in charge of that. Or what -- is that what that means?

23 MS. HALVORSEN: Madam Chairman.

24 Mr. Kirkbride, Oil and Gas Commission probably has
25 something to do with those, but I -- I don't know. We only

1 regulate the piping associated with, say, a gas station.
 2 That piping is in our program. But those big interstate
 3 pipelines and pressurized pipelines and process facilities
 4 at your refineries, those are not regulated by our program.
 5 BOARD MEMBER KIRKBRIDE: Okay.
 6 MS. HALVORSEN: I think it's Oil and Gas,
 7 under Water Quality.
 8 CHAIRMAN BEDESSEM: Uh-huh.
 9 BOARD MEMBER KIRKBRIDE: Okay. Thank you.
 10 MS. HALVORSEN: You're welcome.
 11 BOARD MEMBER HANSON: Madam Chair.
 12 CHAIRMAN BEDESSEM: Klaus.
 13 BOARD MEMBER HANSON: I understand this
 14 basically now. And, of course, it's, in many ways,
 15 protection of ground that is being covered here.
 16 As a city official, of course we've just gone
 17 through the same thing with waste removal and -- and we --
 18 we need to line the pits where the garbage or whatever is
 19 being disposed. And I wonder whether there is something in
 20 here about -- for underground tanks, that there has to be
 21 extra lining. Is that required in accordance to the
 22 regulations, or is the lining of the tank itself enough
 23 protection? Because we -- we've been asked to, you know,
 24 create this -- these lined cells. And they're frightfully
 25 expensive for a city to construct, et cetera. So I was

1 wondering, that's not something that's coming into play
 2 here, in these regulations, is it?
 3 MS. HALVORSEN: Madam Chairman.
 4 Mr. Hanson, no, because all tanks now have to be double-
 5 walled.
 6 BOARD MEMBER HANSON: Sure.
 7 MS. HALVORSEN: So that is basically your
 8 lining. So you can think of a tank within a tank. So if
 9 your inner tank fails, you're going to find that release in
 10 the interstice of your outer tank. And so that's -- it
 11 basically is a lined system, if you will. A secondarily
 12 contained, but it's basically a lined system.
 13 BOARD MEMBER HANSON: But did you not make
 14 a statement before that that outside lining often is not
 15 strong enough?
 16 MS. HALVORSEN: Madam Chairman.
 17 Mr. Hanson, that's true, it can fail. But we -- because of
 18 the way the systems are set up to alarm, they can -- they
 19 would know right away that they've got a problem they can
 20 get that tank drained.
 21 I don't know if you've got anything to add, Oma,
 22 but...
 23 So we can have a release. We could. And there's
 24 some single-wall tanks still in the ground that we could
 25 have a release, but we can't go in and re-line under those

1 tanks anyway. If they remove any of those single-wall
 2 tanks, they have to replace with double-walled
 3 interstitially monitored tanks.
 4 I think the technology we've had so few releases,
 5 I think we might have only had maybe ten or -- less than
 6 ten last year, just because the new technology of the tank
 7 system. So it's different than your waste disposal, your
 8 solid waste disposal facilities in that regard, but, no,
 9 there's no requirement -- aboveground storage tanks have to
 10 be in a --
 11 BOARD MEMBER HANSON: In a vac, don't they?
 12 MS. HALVORSEN: Well, in a -- I don't know
 13 what you call it -- a containment system, but --
 14 BOARD MEMBER HANSON: Yeah. I've seen
 15 those. Thank you.
 16 MS. HALVORSEN: You're welcome.
 17 BOARD MEMBER HANSON: I'm sorry to bring
 18 this up, but it occurred to me, as a city official, what
 19 the price is here, you know, and what we are putting on for
 20 those folks. Thank you.
 21 CHAIRMAN BEDESSEM: Also, just these rules
 22 are just -- the kinds of tanks that aren't regulated
 23 through this program, it's just a good indication of what
 24 best practices are for maintaining those that are not
 25 regulated through this.

1 Shall we move on to going through comments?
 2 MS. HALVORSEN: Comments. Okay.
 3 Okay. So we received comments from -- well,
 4 first of all, we did public outreach. We've been doing
 5 public outreach since 2015. These regulations became
 6 effective in 2015 for all tank owners in Wyoming because we
 7 don't have primacy. So we've been doing outreach for that
 8 long. So we didn't receive the -- quite the number of
 9 comments that we might have. And we've also been working
 10 with the Petroleum Marketers for a couple of years.
 11 Do you want me to go through each one, Madam
 12 Chairman?
 13 CHAIRMAN BEDESSEM: Is it possible to group
 14 them?
 15 MS. HALVORSEN: I don't know.
 16 CHAIRMAN BEDESSEM: I know. There's a lot.
 17 MS. HALVORSEN: I think -- well, I don't --
 18 CHAIRMAN BEDESSEM: Just whatever's
 19 easiest.
 20 MS. HALVORSEN: Okay. So I'm just going to
 21 go through each one.
 22 CHAIRMAN BEDESSEM: Uh-huh.
 23 MS. HALVORSEN: Okay. So from Petroleum
 24 Marketers from January 18, 2017, they sent a document with
 25 these first set of comments in it. The Marketers wanted to

1 make sure the Department does not require under-dispenser
2 containment inspections and some containment inspections
3 annually. They -- or the Marketers wanted to make sure the
4 Department --

5 THE REPORTER: I'm sorry. You're going to
6 have to slow down.

7 MS. HALVORSEN: Okay. Sorry.

8 EPA requires that under-dispenser containment
9 inspections and some containment inspections be done -- to
10 be done annually. The Marketers wanted to make sure we
11 were not going to require that monthly, and we agreed with
12 that comment and we required annually.

13 The next comment was that they want -- that
14 Marketers -- EPA allows the owners and operators the
15 flexibility to maintain either paper or electronic records.
16 The Marketers wanted electronic records. We agreed. And
17 we are allowing electronic records.

18 Third one, Code of Federal -- in the Code of
19 Federal Regulations preamble, EPA stated that the final
20 regulation does not require owners or operators to perform
21 inventory control in addition to automatic tank gauging.
22 Chapter 17 required both.

23 Our response was we agree that the preamble does
24 not require both inventory control and automatic tank
25 gauging. However, the regulation, which takes precedence

1 over the preamble, states that automatic tank gauging
2 equipment must meet the inventory or other test of
3 equivalent performance. And this other test of equivalent
4 performance is typically inventory control. So we're
5 basically saying that the owner-operator can find another
6 test of equivalent performance to inventory control, we
7 will evaluate that option. But we've also pointed out that
8 the fire code required inventory control for underground
9 storage tanks.

10 The next comment was the five-year Operator A and
11 B retesting needs to be changed. One-time testing and
12 passing -- to one-time testing and passing, and retesting
13 should take place if NOV is issued. We disagreed with
14 that, and the operator -- or the Marketers came around to
15 our disagreement, I guess. So, therefore, no changes were
16 made to our rule on that one.

17 Sump sensor replacement was a topic that we
18 talked about, and we worked with the Marketers in the rule
19 to sort through how those sump sensors are going to be
20 replaced.

21 The next meeting with the Marketers on May 4th
22 came up with seven more comments. The Marketers wanted to
23 be able to submit data electronically. We agreed, as long
24 as it was done within enough time for the inspectors to go
25 through those records before they went to the field.

1 They wanted changes to -- 16(c) are conflicting,
2 and we agreed, so we fixed that in the regulation. The
3 Marketers want to use third-party contractor to complete
4 the monthly walk-through. And we are allowing the monthly
5 walk-through inspection to be completed by a third party.

6 We were not willing to allow a third party be a
7 Class B operator, because definition of Class B operator is
8 someone with day-to-day responsibility of the system.
9 Therefore, a third party really doesn't have day-to-day
10 responsibility. And the Marketers came around to that as
11 well

12 Comment four, Marketers were concerned with the
13 amount of contaminated water that will be generated due to
14 hydrostatically testing sumps per the EPA regulation. And
15 we had the same concern. So we are allowing the facility
16 to submit a sump testing method for the Department's
17 approval. And we actually did come up with a method for
18 those sump tests that the marketers agreed to and that's
19 been reflected in our rule.

20 The Marketers would like the Department to allow
21 stake-type sacrificial anodes connected to piping flex
22 connectors to be replaced by a licensed cathodic protection
23 tester without being designed by a cathodic protection
24 expert. And that was reflected in the rule. We agreed
25 with that comment.

1 The Marketers requested the Department remove
2 paragraph 13(g)(x), which required submittal of fuel
3 throughput, which they believed was confidential. We
4 agreed and we removed that paragraph.

5 And the Marketers agreed with the Department's
6 current five-year operator licensing requirements. So that
7 was not changed in our rule.

8 We received a comment by email from the
9 Marketers. Can the facility have a contractor rather than
10 an employee on-site during our inspections, and we agreed
11 that they could have a third-party contractor on-site while
12 we do our -- while our inspectors are out there.

13 Comments received outside of the Wyoming
14 Petroleum Marketers Association. Rather than placing a
15 tank in temporarily out of use each fall, can we remote
16 camera technology -- can we use remote camera technology to
17 daily monitor the level of fuel in our tank during the
18 winter season? And this commenter has aboveground storage
19 tanks that are only used during the summer months, and we
20 agreed they could use remote camera sensing.

21 These were comments, then, that were received --
22 so those comments you all received. These are comments
23 that were received during the public comment period from
24 Robert Largent, AAFES; is that Air Force?

25 UNIDENTIFIED MALE: Army Air Force Exchange

1 Service.
 2 MS. HALVORSEN: Thank you.
 3 The comment was tank operators that utilize
 4 interstitial monitoring should not be required to inventory
 5 control for their systems. Inventory control allows
 6 1 percent throughput plus 130 gallons release before
 7 becoming reportable. Double-wall systems should not allow
 8 any reportable releases.
 9 Our response is that per the proposed rule
 10 inventory control is not required for UST that have both
 11 double-wall tanks and double-wall piping. Inventory
 12 control may be for systems with double-wall piping and
 13 single-wall tanks with automatic tank gauging when -- when
 14 automatic tank gauging is used for tank leak detection.
 15 The proposed rule reflects the federal rule.
 16 We did want to point -- so our rule, basically,
 17 reflects what's in the federal rule. That's in the EPA
 18 rule. So we can't change what's in the EPA rule. We can't
 19 be more or less stringent than was in the EPA rule. We
 20 wanted to note that the fire code requires all motor
 21 fueling facilities that have USTs to perform inventory
 22 control. We don't enforce the fire code, but we do notify
 23 the fire marshal when it appears tanks are being operated
 24 outside the fire code.
 25 Travis Deti with Wyoming Mining Association had

1 five comments. That we should take time to simplify and
 2 revise Section 4 regarding applicability. And our response
 3 is that we -- we understand that applicability of the rules
 4 can sometimes be difficult, but we have to balance what's
 5 presented in our rules with what is required by the EPA and
 6 state statute. So it's easier rather -- the AG's Office
 7 has said we don't want to redefine those things that are in
 8 statute because somebody could come back and say, well,
 9 actually the rule does apply to them, but because the way
 10 our applicability statement is written, they think it
 11 doesn't, and there's an issue. So due to the number of
 12 tanks regulated, it can be difficult to address every
 13 instance without citing EPA regulations and state statute.
 14 We did make -- we have committed to doing a
 15 guidance document to try to help with applicability for
 16 people who have a hard time understanding, going back and
 17 forth between the rule and the statute.
 18 Their second comment was it is cumbersome to
 19 conclude the aboveground storage tanks that are regulated
 20 by the rules are those used by dealer to dispense gasoline
 21 or diesel. We agreed, and we have put that clarification
 22 in our applicability statement.
 23 Section 4(c) does not belong in Section 4. We
 24 agreed. We moved that to Section 6 in the rule.
 25 And the Division could be more thorough in public

1 notices providing a clear statement of applicability. And,
 2 again, we do the best we can. And we are going to work on
 3 the guidance document.
 4 We got 17 comments from Petroleum Testers, so
 5 I'll just go through each one of these.
 6 Section 16(c)(i)(D), the paragraph can lead to
 7 misunderstandings about when inventory control is required.
 8 Delete the paragraph. Our response is that paragraph is
 9 contained in Federal Regulation 280.43 and we can't delete
 10 it, so it needs to stay in the rule.
 11 Second comment was Section 16(a)(vii)(B). He's
 12 talked about being negative on inventory control records
 13 for two months is quite normal in operating tanks and does
 14 not indicate that a release has occurred. Again, this is
 15 language from Federal Regulation 280.50(c)(iii), requires
 16 reporting a release when inventory control fails for two
 17 consecutive months. So to maintain consistency, the
 18 Department proposes no change, to continue to use two
 19 consecutive months for the trend.
 20 THE REPORTER: I'm sorry. You're going to
 21 have to slow down.
 22 MS. HALVORSEN: Sorry. So we propose no
 23 change for that comment.
 24 The next comment. There's no technical
 25 justification for the addition of 130 gallons in

1 determining if inventory control balances or not. I
 2 believe that the regulations would be much improved if the
 3 leak test result was 1 percent of throughput plus 130
 4 gallons or 3 percent of throughput, whichever is the
 5 smaller number. Again, Federal Regulation 280.43(a) states
 6 that 1 percent of throughput plus 130 gallons is to be used
 7 for inventory control. Therefore, we propose no change.
 8 16(d), when EPA revised 40 CFR 280, the
 9 regulation was revised so that it does not allow the
 10 installation of vapor monitoring as a leak detection method
 11 on any new facility. There are few, if any, facilities
 12 using this method in Wyoming. Vapor monitoring should be
 13 removed. Our response is that Federal Regulation 280.43(e)
 14 does allow vapor monitoring. We currently have two
 15 facilities using vapor monitoring. We can't be any more or
 16 less stringent than EPA. Therefore, that regulation --
 17 that allowance for vapor monitoring will remain.
 18 Our next comment. Section 16(c), groundwater
 19 monitoring is another method that EPA will not allow for
 20 new installation as a method. Groundwater monitoring was
 21 never common in Wyoming. Groundwater monitoring should be
 22 removed. Our response was Federal Regulation 280.43(f)
 23 allows groundwater monitoring. We currently have one
 24 facility using groundwater monitoring. Therefore, that
 25 groundwater monitoring will remain in our regulation.

1 Next comment. Section 16(i), passive acoustic
2 sensing is a method that is only applicable to large
3 aboveground storage tanks. Section 36 (a)(v) covers
4 passive acoustic sensing for aboveground storage tanks and
5 should be removed from Section 16. We agreed that it can
6 be removed from Section 16 because it's included in the
7 aboveground tanks, so we removed it.

8 Next comment. Section 15, manual tank gauging
9 was a fairly common method of leak detection for small used
10 oil tanks at one time. Almost all tanks that could use
11 this mod have been removed. I believe that the last tanks
12 using this method are equipped with automatic tanks gauges.
13 This section should be removed. Our response was Federal
14 Regulation 280.43(b) allows manual tank gauging. We
15 currently have 15 facilities using manual tank gauging.
16 Therefore, manual tank gauging will stay in our regulation.

17 Next comment. Section 12(c), has EPA removed API
18 Publication 1627 from the CFR? The removal of the
19 publication may leave the state with nothing if methanol/
20 gasoline blends become common. Our response was that EPA
21 has removed the publication. Methanol is a listed RCRA
22 hazardous substance. The owner-operator would be required
23 to prove capability with the substance stored under
24 substance -- under Section 12(a). And the hazardous
25 substance tank rule provides requirements for hazardous

1 substance tanks under Section 17.

2 So we believe that even though that publication
3 has been removed, the State will be covered for methanol/
4 gasoline blends based on Section 12 and 17. So we propose
5 no change.

6 Section 17 -- next comment. Section 17, since
7 2008, all systems in Wyoming have been required to be
8 double-walled systems. The entire section on hazardous
9 waste tanks should be removed. Our response, Section 17 is
10 Federal Regulation 208.42. We currently regulate six
11 hazardous substance tanks. If a tank is discovered that
12 falls into this category, the Department would have no
13 rules for that tank or the existing hazardous substance
14 tanks if this section were removed. This section would
15 also cover the methanol/gasoline blends discussed in the
16 previous comment. The Department proposes no change.

17 Next comment. Section 6(a)(iii)(C), ACT is the
18 Association For Composite Tanks and is not part of the
19 Steel Tank Institute, STI. The reference to STI should be
20 removed. Our response, the Association For Composite Tanks
21 no longer exists. The Steel Tank Institute acquired the
22 ACT standards. The citation is correct. The Department
23 proposes no change.

24 Next comment. Section 11, the section has been
25 retitled to include all corrosion protection systems. The

1 definition of the term "CP," has been broadened to include
2 systems that are not cathodic protection systems. However,
3 Section 11 applies only to cathodic protection systems.
4 The definition of the term "CP" should not be modified and
5 this section should remain a section that only applies to
6 cathodic protection systems. Our response is that we agree
7 with the State -- with their comment, the CP definition in
8 Section 5 will be revised, and Section 11 will remain as to
9 only comply to cathodic protection systems. And the title
10 of Section 11 was also revised.

11 Next comment. Section 12(c)(v), this is a new
12 section that was inserted by the EPA into 40 CFR 280 to get
13 EPA out of a bind of their own creation. Language should
14 be inserted in Section 12(c)(v) that would allow the
15 Department to reject any self-certification if it can be
16 shown to be inaccurate. Our response is the Department has
17 no way to prove an inaccurate self-certification. The STP
18 rule cannot be any more or less stringent than federal
19 rule. We propose no change.

20 Next comment. Section 19, the section on
21 suspected release reporting has been modified to require
22 all suspected releases to be reported to the local fire
23 department. Our response was that we agree that reporting
24 suspected releases would be cumbersome to some local fire
25 authorities and is not necessary. Therefore, the word

1 "confirmed" was added so that only confirmed releases are
2 reported to the local fire authority. And we changed the
3 heading on that section as well.

4 Next comment. Section 22, why is the spill and
5 overfill reporting procedure being complicated so much?
6 Our response is that we have -- the Department has
7 attempted to standardize the way spills are reported by
8 requiring the use of an online database. However, due to
9 some internal issues that can arise at times tank program
10 is not notified of a release through the online reporting.
11 Therefore, we want to make sure that the tank program is
12 notified so that we can be on-site immediately. That helps
13 if we have a remediation system operating, that helps us to
14 get out right away and make sure that our remediation
15 system isn't compromised, and if we need to be out there,
16 we can make sure that the spill's taken care of.

17 So it is -- we've added another layer by having
18 them call the tank program, but we don't think it's unduly
19 cumbersome and we think it protects the state better.

20 The next comment -- so we proposed no change.
21 The next comment. Section 25, again, the reporting of a
22 confirmed release is being complicated by requiring both an
23 oral and fax report and entry into discovery response
24 database. And we just said see comment above -- response
25 above. The Department proposes no change.

1 Next comment. Section 35, at the time that the
 2 aboveground storage tank regulations were promulgated, the
 3 requirement for a fire marshal plan review -- review seemed
 4 important. Since that time, the fire marshal plan review
 5 does not consist of reviewing a set of plans for
 6 conformance with the fire code. And the fire marshal
 7 requires a plan review for their own regulations, but DEQ
 8 need not require the same thing in their regulations. Our
 9 response was we confirmed that the fire marshal's office
 10 actually does complete a plan review to determine if the
 11 installation meets the fire code. We propose no change.

12 Next comment. Part M, does including previously
 13 deferred tanks in rule amount to expanding the scope of the
 14 corrective action account, the financial responsibility
 15 account. Our response is no. The EPA deferred tanks were
 16 never exempted by statute. Department proposes no change.

17 Our next comment. Section 53, the regulations
 18 could be simplified if all owner-operator were simply
 19 required to post \$1 million per occurrence and \$1 million
 20 in aggregate coverage, since that is already provided by
 21 the State. Our response is that portion of Section 53
 22 applies to owners-operators that are not eligible for the
 23 state coverage. The financial responsibility or amounts
 24 are stated in Federal Regulation 280.93. The Department
 25 proposes no change.

1 Next comment. Section 53, federal rules require
 2 operators who own more than 100 tanks to provide \$2 million
 3 in aggregate coverage for third-party liability. The
 4 requirement should be added to cover off-site liabilities
 5 up to \$2 million since the financial responsibility account
 6 is capped at 1 million. We agree, and that was added to
 7 Section 53 as 53(i).

8 CHAIRMAN BEDESSEM: Thank you.

9 MS. HALVORSEN: You're welcome.

10 Madam Chairman, would you like us to go through
 11 the changes that we made to the rules based on comments? I
 12 think we have four.

13 CHAIRMAN BEDESSEM: Sure. Go through those
 14 four, and then we'll take comments from the public.

15 MR. ESCH: Madam Chair, before we move on.
 16 I think with the response to comments that have been
 17 showed, we did a very robust outreach effort to all of
 18 regulated industry individuals and we want to extend our
 19 gratitude for those who commented. I think there was some
 20 give and take on both sides, which ended up resulting in
 21 a -- in a better rule package before you today.

22 You know, we worked very closely with Wyoming
 23 Petroleum Marketers. We solicited comments to the rest of
 24 the industry as well. And I think that was -- ended up
 25 being very beneficial to the agency.

1 CHAIRMAN BEDESSEM: Thank you. Seems like
 2 all the upfront advance work is really helpful when you get
 3 down to the end to reduce the amount of comments.

4 MR. ESCH: We certainly hope so.

5 CHAIRMAN BEDESSEM: It's appreciated by the
 6 board too. Thank you.

7 MS. HALVORSEN: Okay. So changes we made
 8 after the packet was submitted to the board on October
 9 30th. And, unfortunately, these refer to the clean pages
 10 on the clean version. So I don't know if you all have the
 11 clean version in your packet.

12 CHAIRMAN BEDESSEM: We do.

13 MS. HALVORSEN: So first of all, Table 2,
 14 where we replaced Table 2 on page 160 of the clean version.
 15 That table is our corrective action scoring sheet. And
 16 I've handed you that -- do we all need to catch up?

17 BOARD MEMBER CAHN: Can you read the title
 18 on the -- of the file so I can pull it up? I don't think
 19 we have a hard copy.

20 CHAIRMAN BEDESSEM: Yeah. It's in the --

21 MS. HALVORSEN: This was --

22 CHAIRMAN BEDESSEM: It's the first -- the
 23 clean tab. It's in the first section.

24 BOARD MEMBER CAHN: No, but the comments.

25 CHAIRMAN BEDESSEM: Oh, oh, oh.

1 MS. THOMPSON: So the file name is
 2 20171207changesmadeafterWWABpacketwentout.pdf.

3 CHAIRMAN BEDESSEM: So you sent us a
 4 revised Table 2.

5 MS. HALVORSEN: I sent you the revised
 6 Table 2, that's correct.

7 CHAIRMAN BEDESSEM: Under concentration
 8 soil, that's free product, correct?

9 MS. HALVORSEN: I don't have -- I don't
 10 have a Table 2.

11 CHAIRMAN BEDESSEM: I'll give you mine.
 12 Just where I have it circled, you just mean free product,
 13 right?

14 MS. HALVORSEN: Oh, yes. Yes. Let me --

15 CHAIRMAN BEDESSEM: You can keep that one.

16 MS. HALVORSEN: Can I keep this one,
 17 please?

18 CHAIRMAN BEDESSEM: Yes. You can keep that
 19 one.

20 BOARD MEMBER CAHN: Instead of free
 21 produce?

22 MS. HALVORSEN: Yeah, free produce.

23 CHAIRMAN BEDESSEM: Okay. Ready.

24 MS. HALVORSEN: Ready? Okay.

25 CHAIRMAN BEDESSEM: Yeah. We received a

1 hard copy in the mail. These are all very recent comments
 2 MS. HALVORSEN: Right.
 3 CHAIRMAN BEDESSEM: Recent changes.
 4 MS. HALVORSEN: Recent changes, yeah.
 5 BOARD MEMBER CAHN: I didn't get it yet
 6 That's okay.
 7 CHAIRMAN BEDESSEM: Okay. You may begin.
 8 MS. HALVORSEN: Thank you, Madam Chairman.
 9 The Table 2 was being replaced because we had
 10 revised the priority worksheet to capture additional
 11 criteria. These include considerations for land use,
 12 addresses vapor intrusion and more thorough -- more
 13 thoroughly, and addresses sensitive habitats that wasn't
 14 included in our previous version.
 15 So the second one was on Section 5, paragraph
 16 (bbb) on page 1-13 of the clean version. That's the
 17 substantial modification definition. We just removed the
 18 word "spill and overfill controls" out of that definition.
 19 Because we are required, for on-site inspection, to go out
 20 for any substantial modification, and that costs the tank
 21 owners \$250 for us to go out, and we don't want to do -- we
 22 didn't want to add those spill and overfill controls as
 23 requiring an inspection and cost the tank owner our
 24 inspection fees.
 25 The next one under Section 4, Applicability. How

1 we've written it up here, we've just tried to -- this is in
 2 response to the Wyoming Mining Association regarding
 3 applicability to be a little -- try to be a little more
 4 clearer, I guess. So that's the change we made,
 5 requirements of this chapter apply to all owners and/or
 6 operators of aboveground storage tank systems as defined in
 7 statute. Only aboveground tank systems used by dealer to
 8 dispense gasoline or diesel to the public are regulated by
 9 these regulations. The requirements of this chapter
 10 applied to all owners and/or operators of underground
 11 storage tank systems as defined in the statute, except --
 12 and then we list the exceptions.
 13 And, again, it was hard to list every tank that
 14 we -- every instance. And, again, the AG's Office did not
 15 want us to try to redefine statute.
 16 The next change we made was Section 4(c) on
 17 pages 1-7 and 1-8 of the clean version. Based on the
 18 Wyoming Mining Association, we moved that to Section 6(h).
 19 And then we moved -- 4(d) became 4(c).
 20 The next change we made, on 16 -- oh, 69 on
 21 page 1-45, the clean version, will be removed. That was
 22 the list of -- where we wanted their throughput and we --
 23 we agreed that was -- or, no, this was -- addressed
 24 Petroleum Marketers' comment that this section only applies
 25 to aboveground tanks. That was the one that was removed.

1 The next comment. Section 5(x) on page 1-10 of
 2 the clean version will be revised. This is, again, to
 3 address Petroleum Testers' comment that CP -- so we added a
 4 definition for corrosion protection. And then the next
 5 comment we add a definition for CP, which means cathodic
 6 protection. And then the next change we made, Change 8, we
 7 just changed the section heading from Operation and
 8 Maintenance of Corrosion Protection to Operation and
 9 Maintenance of Cathodic Protection. That addressed
 10 the Petroleum Testers' comments regarding cathodic
 11 protection -- the use of that term.
 12 The next comment. Section 19, on page 49 of the
 13 clean version. We changed the heading to just say -- we
 14 took out the word "suspected." So the Section 19 is just
 15 now Release Reporting. And we added in that paragraph all
 16 confirmed releases shall be reported to the fire
 17 department. This, again, addresses petroleum -- Petroleum
 18 Testers' comment that all suspected releases we were
 19 requiring them to be reported to the fire department. That
 20 was cumbersome.
 21 The next section, 53(i), owners and operators, we
 22 added -- 53(i), owners and operators of 101 or more USTs
 23 eligible for the state corrective action account shall
 24 demonstrate with financial responsibility for compensating
 25 third parties for bodily injury or property damage caused

1 by accidental releases arising from the operation of
 2 petroleum USTs, the amount required is \$1 million, such
 3 that a total aggregate amount of 2 million is reached when
 4 the financial responsibility of 1 million is provided by
 5 the State. That addressed a Petroleum Testers comment that
 6 for those -- for owners having more than a hundred tanks,
 7 they need to provide 2 million in financial responsibility.
 8 The State only provides 1.
 9 BOARD MEMBER KIRKBRIDE: May I --
 10 MS. HALVORSEN: And there is my Table 2.
 11 BOARD MEMBER KIRKBRIDE: I'm sorry.
 12 MS. HALVORSEN: I'm sorry.
 13 BOARD MEMBER KIRKBRIDE: May I ask how many
 14 operators we have in the state with that many tanks or
 15 more?
 16 MS. HALVORSEN: It's -- Madam Chairman and
 17 Mr. Kirkbride, it's 101 tanks nationwide.
 18 BOARD MEMBER KIRKBRIDE: Oh, nationwide.
 19 MS. HALVORSEN: So we don't have -- do we
 20 have any --
 21 MR. GILBRETH: Yes.
 22 MS. HALVORSEN: -- just with a hundred in
 23 our state alone?
 24 MR. GILBRETH: Actually, Kum & Go I think
 25 has. And Maverik may have.

Solid & Hazardous Waste Division

71

1 MS. HALVORSEN: But it's a national -- a
 2 nationwide
 3 BOARD MEMBER KIRKBRIDE: Oh, good. Good
 4 MS. HALVORSEN: I think I'm done.
 5 CHAIRMAN BEDESSEM: Okay. What we'd like
 6 to do is -- considering the timing, we'd like to get -- to
 7 have our public comment before we break for lunch.
 8 Appreciate everyone's patience who may be in the audience
 9 here before you get to speak, but we would like to call
 10 people up at this moment, so...
 11 BOARD MEMBER CAHN: Can we take a quick
 12 break?
 13 CHAIRMAN BEDESSEM: Yes. Let's take a
 14 five-minute break and then --
 15 BOARD MEMBER HANSON: That would be great.
 16 CHAIRMAN BEDESSEM: That would be great
 17 We'll have a five-minute break. And then hopefully we have
 18 a sign-in sheet that someone can give me so we might be
 19 able to call people in order. Okay? So we'll do that
 20 after our five-minute break.
 21 (Meeting proceedings recessed
 22 10:50 a.m. to 11:05 a.m.)
 23 CHAIRMAN BEDESSEM: We'd like to reconvene
 24 the fourth quarter Water and Waste Advisory Board meeting
 25 We're going to proceed now to public comment

72

1 regarding the Storage Tank Program rules proposed Chapter
 2 1.
 3 I'm looking at the sign-in sheet here. And at
 4 the end, if there's somebody who hasn't signed in, please
 5 let me know, but I'm going to go down through the first --
 6 skipping DEQ personnel and us.
 7 Is this anyone from Big D Oil who would like to
 8 speak? No? Just listening?
 9 Okay. U.S. Air Force.
 10 MR. LESTER: I'll take a moment --
 11 CHAIRMAN BEDESSEM: Sure.
 12 MR. LESTER: -- if you don't mind, ma'am.
 13 CHAIRMAN BEDESSEM: Can you introduce
 14 yourself?
 15 MR. LESTER: My name is Ron Lester. I am
 16 with the United States Air Force Civil Engineering Center.
 17 I am the appointed regional environmental coordinator for
 18 both the EPA Regions 7 and 8. I'm out of Peterson Air
 19 Force Base.
 20 One of our primary responsibilities is to monitor
 21 all regulatory and legislative activity. And that's why
 22 I'm here, just to observe.
 23 I really don't have any specific comments at this
 24 time, but I will say that one of our major concerns here up
 25 at the F. E. Warren Air Force Base specifically is the

73

1 ability to comply fully with the federal regulations,
 2 which, obviously, are being adopted here. So I am relieved
 3 to hear that the State of Wyoming is adopting the federal
 4 regulations, and we are diligently working toward full
 5 compliance with the tank regulations.
 6 As you know, F. E. Warren maintains missile
 7 facilities throughout a three-state area, so we are closely
 8 monitoring State activities on a regulatory front with the
 9 underground storage tanks. We are planning and programming
 10 to fully comply. Our concern is will we be able to fully
 11 comply in a sufficiently timely manner. So I just ask for
 12 your consideration on that front. I do assure you that we
 13 will be in full compliance. I just can't guarantee you
 14 when that's going to be.
 15 So that's really all I have to say. Thank you
 16 for hearing me out.
 17 CHAIRMAN BEDESSEM: Thank you for your
 18 comments, Mr. Lester.
 19 Okay. The next company or business I see on here
 20 is CGRS.
 21 UNIDENTIFIED MALE: No comments today.
 22 CHAIRMAN BEDESSEM: No comments. Okay.
 23 So I think the next one is Lewis and Lewis
 24 Kilgore. If I'm pronouncing that correctly? This was
 25 Tara Nelson? No? Okay.

74

1 Wyoming Petroleum Marketers
 2 MR. LARSON: Thank you, Madam Chair.
 3 Members of the board. I'm Mark Larson. I'm the executive
 4 vice president for the Wyoming Petroleum Marketers
 5 Association. We're the licensed fuel distributors that are
 6 now streaming from the refineries and turbo racks. And
 7 because most of my members own convenience stores, we also
 8 represent the 355-plus convenience stores in the state.
 9 Our guys have storage tank programs and the storage tanks,
 10 and so we're one of the primary users of the program.
 11 I'm testifying not because of concerns that I
 12 have with the rulemaking, moving forward, but to explain
 13 why we think the rule is ready for prime time. WPA members
 14 are proud to be of a compliance record that we have
 15 mutually achieved through Oma's leadership and STP,
 16 consistently being one of the highest in the country, if
 17 not the highest many times. We're proud of that record.
 18 The Marketers recognize the importance of storage
 19 tank regulations that assure Wyoming's environment is not
 20 negatively impacted by our necessary operations.
 21 DEQ STP has done an exemplary job in engaging the
 22 regulated community in every step of the process, for
 23 reviewing the bill -- from reviewing the bill, updating
 24 statutes and providing a platform for this rulemaking, to
 25 the several meetings they have endured with us on getting

20 (Pages 71 to 74)

Solid & Hazardous Waste Division

75

1 into the details of the regulations, to the significant
 2 outreach that they held around the state that I attended
 3 each of those.
 4 DEQ STP has worked hard and is effective in
 5 coming out with well-reasoned regulations. Did we get
 6 everything we asked for? Obviously not. But we did
 7 receive ample opportunity to exchange ideas and suggestions
 8 regarding the proposed rule.
 9 Given the fact that Wyoming is not a primacy
 10 state yet, DEQ STP has applied operational realities and
 11 generally listened to the regulated community, assuring the
 12 EPA guidelines are also followed. We hope at some point
 13 they receive primacy as one of the best state programs in
 14 the country.
 15 This is necessarily not an easy process. We
 16 understand that. However, from our perspective, the
 17 necessary due diligence has been performed and admirably
 18 so. The WPMA requests that the WWAB forward the proposed
 19 rule. I'll stand for any questions.
 20 CHAIRMAN BEDESSEM: Any question?
 21 BOARD MEMBER KIRKBRIDE: Madam Chair.
 22 Question.
 23 CHAIRMAN BEDESSEM: Uh-huh.
 24 BOARD MEMBER KIRKBRIDE: I was just
 25 curious. What percentage of the convenience stores and/or

76

1 Marketers do you represent? Of the state.
 2 MR. LARSON: The ones we don't represent is
 3 probably Loaf 'N Jug and some of the big-box fuel -- fuel
 4 pumps. Maverik, Kum & Go, Big D, Bailey Oil.
 5 BOARD MEMBER KIRKBRIDE: What about small
 6 ones like on the reservation and other places?
 7 MR. LARSON: Madam Chair. Mr. Kirkbride,
 8 the reservation's a different story in that EPA and DEQ
 9 work independently on how they do it. They don't -- they
 10 haven't deemed us as being a necessary entity because we're
 11 predominantly with state legislative and state regulatory
 12 issues.
 13 BOARD MEMBER KIRKBRIDE: Okay. Thank you.
 14 MR. LARSON: Thank you.
 15 CHAIRMAN BEDESSEM: Thank you very much.
 16 Mr. Larson.
 17 Are there any other members of the audience that
 18 would like to come up and speak to these rules today? No
 19 one else?
 20 Okay. Well, thank you very much for being here.
 21 And appreciate the comments that we did receive in addition
 22 to all the previous sets of comments.
 23 Okay. Then we'll kind of close that open forum
 24 and give that to you.
 25 MS. THOMPSON: Thank you.

77

1 CHAIRMAN BEDESSEM: And now we'll move on
 2 to any more board comments or corrections.
 3 BOARD MEMBER CAHN: Madam Chair. DEQ, I
 4 just want to say that in my 16 years on this board,
 5 17 years, this is absolutely the best package that I have
 6 seen in terms of thoroughness with which comments were
 7 responded to. I think there's no question in anybody's
 8 mind why. If you disagreed, you changed it -- or you
 9 didn't change it, and if you did agree, you changed it. I
 10 think it's just extremely thorough. It made it really easy
 11 as a board member to go through it and understanding what
 12 your rationale was, so I just wanted to say thank you,
 13 because it's really, really well done. Very thorough.
 14 So I do have -- and as I always have comments, I
 15 have extremely minor comments. So none of them are
 16 substantive, so I will defer those until other members, if
 17 they have some substantive comments.
 18 BOARD MEMBER KIRKBRIDE: I have none.
 19 BOARD MEMBER HANSON: Only one comment. I
 20 think it's very necessary to regulate this very carefully,
 21 because I deal with it on the other side, as I mentioned
 22 before, and groundwater contamination, I think, is a major
 23 concern of the state these days, and this addresses a part
 24 of that. And I think that's a very important issue. Thank
 25 you.

78

1 BOARD MEMBER DEURLOO: I have no comments.
 2 CHAIRMAN BEDESSEM: Okay. Well, thank you,
 3 Board Members.
 4 I wanted to make the additional comment that this
 5 was a great situation where you've been working with
 6 these -- the majority of the content of these rules for
 7 many years to know what the pitfalls are and also what
 8 things that you might improve within the constraints of
 9 trying to get primacy through, you know, by EPA. And so it
 10 seems like you've taken all that knowledge to improve the
 11 rule and working with your regulated community to do that.
 12 So I think -- I mean, as far as substantive
 13 changes, the rationale for what was -- what comments were
 14 accepted and what weren't is very clear, and the board does
 15 not have any substantial comments related to that. So I
 16 think we can just move on at this point to some -- whatever
 17 minor comments or there might be for minor corrections, and
 18 then we'll just discuss whether to move the packet forward.
 19 Okay?
 20 And so at this moment I'm going to pass it to
 21 Lorie Ms. Cahn.
 22 BOARD MEMBER CAHN: I would just like to
 23 say that I am pleased with the style guide that you've
 24 adopted. I like not having numbers included in
 25 parentheses. I just find it easier to read. Not -- you

1 know, numbers are spelled out if less than 10, except when
2 expressing units of time or measurement. And units of time
3 or measurement always in numerals. So I like that. I find
4 it easier to read that way. It's more what I'm used to. I
5 think that's a good choice. I know it's inconsistent
6 within DEQ, and I know Gina can work on that -- or is
7 working on that

8 So I just want to note for the record that on
9 Table 2, the new Table 2 that -- that you passed out -- or
10 you emailed us that there's -- free produce is changed to
11 free product, so -- and I have to go to my electronic
12 version.

13 CHAIRMAN BEDESSEM: So this is wonderful.
14 We're going to take care of these small comments here and
15 now, as opposed to having to do any kind of offline
16 discussion to get corrections done. So we'll be able to
17 wrap this up. So this is very good.

18 BOARD MEMBER CAHN: Maybe somebody can help
19 me. I'm trying to find my comments on the commented --
20 there's a way of --

21 CHAIRMAN BEDESSEM: Yeah. Okay.

22 BOARD MEMBER CAHN: All right. Where is
23 it, though?

24 CHAIRMAN BEDESSEM: So be patient for
25 technical items here.

1 MS. HALVORSEN: Madam Chairman, are we
2 looking at the one with the comment -- with the comments
3 on the --

4 CHAIRMAN BEDESSEM: The one with the
5 comments

6 MS. HALVORSEN: Thank you.

7 BOARD MEMBER CAHN: Okay. And I don't have
8 line numbers on this version.

9 CHAIRMAN BEDESSEM: I might be able to help
10 with that.

11 BOARD MEMBER CAHN: I'm on page 1-48 of the
12 marked-up -- or the redline/strikeout copy.

13 CHAIRMAN BEDESSEM: Is this the
14 redline/strikeout with comments or the initial
15 redline/strikeout?

16 BOARD MEMBER CAHN: This is with comments.

17 CHAIRMAN BEDESSEM: Okay.

18 BOARD MEMBER CAHN: So page 1-44.

19 MS. HALVORSEN: 44.

20 BOARD MEMBER CAHN: 1-44. Sorry. 1-48.

21 MS. HALVORSEN: Okay.

22 BOARD MEMBER CAHN: And it's capital letter
23 B. So the second paragraph. Let's go back to.

24 BOARD MEMBER DEURLOO: 2090, right?

25 BOARD MEMBER HANSON: Be equipped with --

1 BOARD MEMBER CAHN: Starts out, "Be
2 equipped with an automatic line leak..."

3 BOARD MEMBER HANSON: It's 1-48. And it
4 starts line 2074. That's, I think, what you're referring
5 to.

6 BOARD MEMBER CAHN: Can I -- so the actual
7 line number -- oh, but yours --

8 BOARD MEMBER HANSON: That's that one,
9 yeah

10 BOARD MEMBER CAHN: Third line down. Hmm
11 This is going to be --

12 CHAIRMAN BEDESSEM: This is going to be
13 harder than originally --

14 BOARD MEMBER CAHN: So let's go back up to
15 what section we're in. We're in (g)(1)(B)

16 CHAIRMAN BEDESSEM: Yep, capital B. It's
17 on the top of page 1-48.

18 BOARD MEMBER CAHN: Okay. It starts with
19 "Be equipped with an automatic line leak..."

20 CHAIRMAN BEDESSEM: Right. Uh-huh.

21 BOARD MEMBER CAHN: Okay. Good. Okay.
22 Third line down in (b), you removed "which," which is

23 correct, and inserted "that," but the comma after sensors
24 needs to be deleted. So the -- the line should read

25 automatic line leak detector methods, including sump

1 sensors that alert the owner and/or operator to the
2 presence of the leak, et cetera. I'd say no commas when
3 the "which" is removed. And thank you for going on the
4 "which" hunt and removing --

5 MS. HALVORSEN: I tried to go on the
6 "which" hunt. So the second comma, comma is removed.
7 Okay.

8 BOARD MEMBER CAHN: Okay. I had a question
9 on page 1-88. Capital letter C. So we're under (i)(C) of
10 (c).

11 CHAIRMAN BEDESSEM: You're on 88, and it's
12 (C) --

13 BOARD MEMBER CAHN: The sentence starts out
14 Whenever groundwater is encountered..."

15 BOARD MEMBER DEURLOO: Whenever a
16 groundwater table is encountered, is that what it says?

17 CHAIRMAN BEDESSEM: It's on -- on the
18 comment copy, it's on page 1-87.

19 BOARD MEMBER DEURLOO: Yeah.

20 MS. HALVORSEN: Capital C in parentheses

21 CHAIRMAN BEDESSEM: Yes.

22 MS. HALVORSEN: Whenever groundwater
23 encountered --

24 THE REPORTER: Slow down.

25 CHAIRMAN BEDESSEM: Yes.

Solid & Hazardous Waste Division

83

1 MS. HALVORSEN: Sorry. Okay.
 2 BOARD MEMBER CAHN: And my question has to
 3 do with -- it says "If groundwater is encountered in more
 4 than one borehole or excavation, up to three groundwater
 5 samples shall be collected." And I'm wondering if we
 6 should clarify somebody could do it temporally or they can
 7 do it spatially. So they can take three groundwater
 8 samples out of the same one well in time, or are you
 9 talking them taking one sample from at least each three
 10 different wells, which I'm assuming is what you mean?
 11 MR. DUCHARME: Correct.
 12 BOARD MEMBER CAHN: So I would prefer to
 13 see clarification on that, up to three groundwater samples
 14 from -- or a groundwater sample from each of at least three
 15 wells shall be collected or something -- do you understand
 16 my question?
 17 MS. HALVORSEN: Does that make sense,
 18 Adrian?
 19 CHAIRMAN BEDESSEM: I think that's a good
 20 question.
 21 MR. DUCHARME: From each borehole is kind
 22 of the --
 23 BOARD MEMBER CAHN: So if you only have
 24 two boreholes --
 25 MR. DUCHARME: Up to three groundwater

84

1 samples --
 2 BOARD MEMBER CAHN: -- are you going to
 3 take --
 4 THE REPORTER: One at a time.
 5 MR. DUCHARME: I do understand your
 6 observation.
 7 BOARD MEMBER CAHN: Yeah.
 8 MR. DUCHARME: I don't have a fix right off
 9 the --
 10 BOARD MEMBER CAHN: Let me ask a clarifying
 11 question, if you will. If there are only two boreholes,
 12 then two samples will be taken in time from one borehole
 13 and one -- oh, it says up to three. Okay. So we're still
 14 talking about one sample from each borehole.
 15 MR. DUCHARME: That encounters groundwater.
 16 BOARD MEMBER CAHN: Okay. So -- okay.
 17 Let's just say at the end, up to three groundwater samples
 18 shall be collected, one from each borehole. And I think
 19 that --
 20 MR. DUCHARME: One sample.
 21 BOARD MEMBER CAHN: One sample from each
 22 borehole.
 23 CHAIRMAN BEDESSEM: Sample from each
 24 borehole.
 25 BOARD MEMBER DEURLOO: At least one.

85

1 BOARD MEMBER CAHN: And I think that would
 2 clarify that.
 3 CHAIRMAN BEDESSEM: You're talking
 4 spatially --
 5 MR. DUCHARME: We don't want two from the
 6 same borehole is the concern.
 7 BOARD MEMBER DEURLOO: Gotcha. Yep.
 8 BOARD MEMBER CAHN: Okay. Is that
 9 language --
 10 MR. DUCHARME: Yep.
 11 BOARD MEMBER CAHN: Okay. And then --
 12 CHAIRMAN BEDESSEM: That works.
 13 BOARD MEMBER CAHN: And the only other
 14 comments I have are in the definitions, so let me get
 15 there, because I didn't --
 16 BOARD MEMBER HANSON: Starts on 1-9.
 17 BOARD MEMBER CAHN: 1-9? Okay. So I have
 18 a general comment in definitions where sometimes when an
 19 acronym is used and defined, sometimes when the acronym is
 20 spelled out, you use all lower case for that acronym and
 21 sometimes you use all upper case. And I think that's
 22 inconsistent. And you may have a reason, but -- for
 23 instance, AL -- ALLD means an automatic line leak detector.
 24 Those are lower case. But when you get to, for example,
 25 maximum contaminant level, then maximum, contaminant and

86

1 level are all initial upper cap. And so I would prefer to
 2 see them lower case, unless there's some very real reason
 3 why they should be upper case for acronyms. Sorry.
 4 MS. HALVORSEN: Madam Chairman. Ms. Cahn,
 5 some of them it's -- it's because of the way it's standard
 6 in the industry. So that's why some are upper, some are
 7 lower. It's a -- it's just the way the industry standard
 8 is.
 9 BOARD MEMBER CAHN: Okay. Then that's it
 10 for my comments.
 11 And just, again, excellent job. It's obvious
 12 from the fact that we have a lot of interest from the
 13 public, but very few -- no public comments saying please
 14 change this or please change that. You've really done your
 15 outreach well, and I think your packet reflects, you know,
 16 really hard work and good work on your part, especially
 17 including stakeholders. So, anyways, thank you very much.
 18 MR. ESCH: Thank you.
 19 MS. HALVORSEN: Thank you.
 20 BOARD MEMBER HANSON: I don't know whether
 21 that problem was sufficiently solved now. This CP acronym
 22 meaning two different things, and I wonder whether you
 23 either spell it out or -- because I think it will depend on
 24 the context to know which one you mean in a particular
 25 situation for a layman like me. I probably can't figure it

Solid & Hazardous Waste Division

87

1 out which one is meant. So I -- I don't know whether you
 2 want to spell CP out or what you want to do, because it can
 3 mean either of two things. As a matter of fact, it's
 4 listed here as CP or CP tester.
 5 MS. HALVORSEN: Madam Chairman.
 6 Mr. Hanson, we fixed that in the changes that were made
 7 after this packet.
 8 BOARD MEMBER HANSON: Yeah.
 9 MS. HALVORSEN: CP will now be CP as
 10 cathodic protection. And we spelled out corrosion
 11 protection. So it's -- it's been -- it's been fixed.
 12 BOARD MEMBER HANSON: It's been fixed
 13 Okay. Thank you.
 14 MS. HALVORSEN: You're welcome.
 15 BOARD MEMBER HANSON: Because I read this
 16 before and I thought which one is it now?
 17 MS. HALVORSEN: Yes. Yes.
 18 BOARD MEMBER HANSON: Thank you.
 19 CHAIRMAN BEDESSEM: Any other comments from
 20 the board?
 21 Okay. Can we entertain a motion?
 22 BOARD MEMBER CAHN: I move that we forward
 23 this on to the EQC as modified in this meeting.
 24 BOARD MEMBER HANSON: Second.
 25 CHAIRMAN BEDESSEM: Thank you.

88

1 So we have a motion and a second. All --
 2 BOARD MEMBER DEURLOO: Discussion?
 3 CHAIRMAN BEDESSEM: Any discussion?
 4 BOARD MEMBER DEURLOO: No.
 5 CHAIRMAN BEDESSEM: Thank you for reminding
 6 me.
 7 All those in favor, respond with aye.
 8 BOARD MEMBER DEURLOO: Aye
 9 BOARD MEMBER CAHN: Aye.
 10 BOARD MEMBER KIRKBRIDE: Aye.
 11 BOARD MEMBER HANSON: Aye.
 12 CHAIRMAN BEDESSEM: Aye
 13 Opposed?
 14 Hearing none, motion passes and this packet is
 15 forwarded on to the EQC.
 16 BOARD MEMBER HANSON: Congratulations.
 17 CHAIRMAN BEDESSEM: Yes. Congratulations.
 18 MS. HALVORSEN: Madam Chairman, Board,
 19 thank you.
 20 CHAIRMAN BEDESSEM: This is the first
 21 program I've seen that just has one chapter now of
 22 regulations. So this is your baby and best of luck with
 23 EQC.
 24 Thank you. We will now, at 11:30, go ahead and
 25 break for lunch. And get back here in an hour? An hour

89

1 15? Okay. So that we'll be back here at 12:45. Okay?
 2 And then continue with -- well, we'll do elections of
 3 officers and proceed with the Water Quality Division
 4 package.

(Meeting proceedings recessed
 11:30 a.m., December 13, 2017.)

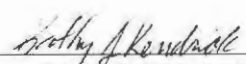
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25


90

CERTIFICATE

I, KATHY J. KENDRICK, a Registered Professional
 Reporter, do hereby certify that I reported by machine
 shorthand the foregoing proceedings contained herein,
 constituting a full, true and correct transcript.

Dated this 2nd day of January, 2018.


 KATHY J. KENDRICK
 Registered Professional Reporter



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

A	
a.m 1:13 2:3 71:22,22 89:6	actual 12:8 81:6
AAFES 54:24	add 4:25 11:10 20:17 48:21 67:22 69:5
ability 5:8,10 38:18 73:1	added 8:11 9:4 9:4,8,25 10:4 10:10,10,14 14:21 21:10 21:16 22:10 22:17 23:5,6 23:16,25 32:14 33:7,12 33:23 34:1,15 34:16,20 40:21,25 41:7 62:1,17 64:4,6 69:3,15,22
able 6:16 10:8 13:20,21 22:24 52:23 71:19 73:10 79:16 80:9	addition 18:10 51:21 57:25 76:21
aboveground 14:25 15:2 17:12 37:6,9 46:1,3 49:9 54:18 56:19 59:3,4,7 63:2 68:6,7,25	additional 67:10 78:4
absolutely 77:5	additions 33:20 33:25
accepted 78:14	address 9:15 56:12 69:3
access 23:17	addressed 21:3 24:14 68:23 69:9 70:5
accidental 70:1	addresses 67:12 67:13 69:17 77:23
account 44:11 45:13,14,18 63:14,15 64:5 69:23	adds 20:19
achieved 74:15	administrative 2:5
acknowledge 5:4	administrativ... 7:11
acoustic 59:1,4	administrator 1:20 3:12
acquired 60:21	administrators 7:3
acronym 85:19 85:19,20 86:21	admirably 75:17
acronyms 86:3	adopted 73:2 78:24
Act 3:21 10:6 18:23 60:17 60:22	adopting 73:3
action 34:25 35:2,4 45:12 45:18 63:14 65:15 69:23	Adrian 1:21 3:14 83:18
actions 5:9	advance 65:2
activities 73:8	advancing 9:12
activity 72:21	Advisory 1:1,16 2:6 71:24
	AG's 56:6 68:14
	agency 64:25
	agenda 2:22 3:1 3:2
	aggregate 63:20 64:3 70:3
	agree 51:23 61:6,23 64:6 77:9
	agreed 16:11 23:7 51:11,16 52:23 53:2,18 53:24 54:4,5 54:10,20 56:21,24 59:5 68:23
	agreement 5:3
	agricultural 46:5
	agriculture 2:19
	ahead 88:24
	Air 54:24,25 72:9,16,18,25
	airplanes 16:24
	airport 7:25 15:8,13 16:22 18:1 43:2
	airports 17:11 17:16
	AL 85:23
	Alan 1:18 2:18
	alarm 20:8 48:18
	alert 82:1
	ALLD 85:23
	allow 18:14 21:25 29:13
	42:1 53:6,20 55:7 58:9,14 58:19 61:14
	allowance 41:4 58:17
	allowed 27:8 44:11
	allowing 28:7 41:7 51:17 53:4,15
	allows 51:14 55:5 58:23 59:14
	amount 46:7 53:13 63:13 65:3 70:2,3
	amounts 63:23
	ample 75:7
	analysis 13:18 40:3
	and/or 25:14 68:5,10 75:25 82:1
	annual 24:9
	annually 51:3 51:10,12
	anodes 53:21
	answer 26:14
	answering 3:13 31:23
	anybody's 77:7
	anymore 21:23 21:25
	anyway 49:1
	anyways 86:17
	API 59:17
	apologies 15:19
	appears 55:23
	Appendix 8:14 33:15 43:12
	applicability 15:7 16:11 56:2,3,10,15 56:22 57:1 67:25 68:3
	applicable 59:2
	applicant 39:2
	applied 68:10 75:10
	applies 26:6 36:19 61:3,5 63:22 68:24
	apply 36:18,19 37:13 56:9 68:5
	applying 4:22
	appointed 72:17
	appreciate 71:8 76:21
	appreciated 65:5
	approval 53:17
	April 40:16,19
	area 73:7
	arising 70:1
	Army 54:25
	asked 47:23 75:6
	assessments 35:5
	associated 47:1
	Association 54:14 55:25 60:18,20 68:2 68:18 74:5
	assuming 27:18 83:10
	assurance 43:8 43:9,23,23 44:6,7,9,25 45:14
	assure 73:12 74:19
	assuring 75:11
	AST 37:6,18,20
	ASTs 37:6,7,15
	attempted 62:7
	attempting 26:13
	attendance 1:18 1:23
	attended 75:2
	attention 36:18
	audible 20:8
	audience 71:8 76:17
	audit 34:9
	authorities 61:25
	authority 14:9 62:2
	automatic 51:21,24 52:1 55:13,14 59:12 81:2,19 81:25 85:23
	available 8:20 34:17 43:24
	Avenue 1:14
	aye 88:7,8,9,10 88:11,12
	B
	b 39:8,8 52:11 53:7,7 80:23 81:15,16,22
	b's 39:11
	baby 88:22
	back 9:5 11:17 13:9 17:7 20:23,25 21:4 21:6 25:24 27:6,14 30:4 31:4 41:6 43:22 56:8,16 80:23 81:14 88:25 89:1
	background 3:18 5:12
	Backing 9:13
	Bailey 76:4
	balance 56:4
	balances 58:1
	Base 72:19,25
	based 3:21 5:24

6:5 8:18 9:9	81:12,16,20	25:23 26:8,21	bottom 15:17	23:11 59:23	64:15 74:2
10:6 13:24	82:11,17,21	30:25 31:3,17	16:8	capacity 17:5	75:21 76:7
16:16 24:7	82:25 83:19	31:21 35:17	break 71:7,12	46:5,9	77:3
32:14 33:17	84:23 85:3,12	36:4,9 37:25	71:14,17,20	capital 80:22	Chairman 2:4
41:1 42:3 60:4	87:19,25 88:3	38:22 39:13	88:25	81:16 82:9,20	2:20 3:5 4:13
64:11 68:17	88:5,12,17,20	39:15,18	Brian 1:18 2:10	capped 64:6	5:15 7:5,15
basic 43:22	beginning 24:7	41:11 43:20	bring 5:17 17:9	capture 67:10	12:25 15:21
basically 5:2	24:25 25:16	43:21 44:19	49:17	car 36:21	15:25 16:4
6:9 8:12 13:17	begins 32:21	45:2,19 46:12	brings 15:3	care 2:5 26:5	18:17 19:2,5
20:5,22 28:22	believe 25:6	46:21 47:5,9	broadened 61:1	29:9 62:16	19:19,22 23:2
39:8,25 40:4,7	58:2 59:11	47:11,13 48:6	brought 20:23	79:14	23:3 25:23
40:8 42:14	60:2	48:13 49:11	20:25 21:6	carefully 77:20	26:3,11,16
43:3,17 47:14	believed 54:3	49:14,17 65:6	43:4,10	case 5:6 28:8,8	27:4,13,22
48:7,11,12	belong 16:11	65:8,17,24	bucket 24:9	28:16 85:20	28:6,10,12,15
52:5 55:16	56:23	66:20 67:5	business 45:21	85:21,24 86:2	28:20,23 29:2
bbb 67:16	beneficial 64:25	70:9,11,13,18	73:19	86:3	29:5,8,13,17
becoming 55:7	best 49:24 57:2	71:3,11,15,24		cases 28:4	29:25 30:6,8
Bedessem 1:16	75:13 77:5	74:3 75:21,24	C	catch 65:16	30:11,15,18
2:4,8,20 5:15	88:22	76:5,13 77:2,3	c 2:1 15:16 16:8	category 60:12	30:22 31:1,11
7:15 12:25	better 62:19	77:4,11,18,19	16:8 22:4	cathodic 11:24	31:22 32:3
15:21,25 16:4	64:21	78:1,3,14,22	35:24 82:9,9	19:10 22:18	36:6 38:1,7
18:17 19:2,5	big 12:11,14	79:18,22 80:7	82:10,12,20	27:7 28:2,8,11	45:5,25 46:23
19:19,22 23:3	43:20 46:13	80:11,16,18	90:1,1	29:8 53:22,23	47:8,12 48:3
27:4,13,22	47:2 72:7 76:4	80:20,22,24	Cahn 1:17 2:14	61:2,3,6,9	48:16 49:21
28:6,12,15,20	big-box 76:3	80:25 81:1,3,6	2:14 7:1,5,14	69:5,9,10	50:12,13,16
29:2,5,8,17,25	bill 74:23,23	81:8,10,14,18	65:17,24	87:10	50:18,22 64:8
30:8,11,15,18	bind 61:13	81:21 82:8,13	66:20 67:5	caught 25:4	64:10,13 65:1
30:22 31:1,22	biodiesel 10:14	82:15,19 83:2	71:11 77:3	caused 69:25	65:5,12,20,22
32:3 47:8,12	bit 2:23 9:20	83:12,23 84:2	78:21,22	cells 47:24	65:25 66:3,7
49:21 50:13	13:3,10 14:19	84:7,10,16,21	79:18,22 80:7	Center 72:16	66:11,15,18
50:16,18,22	16:14	84:25 85:1,7,8	80:11,16,18	CERCLA 8:22	66:23,25 67:3
64:8,13 65:1,5	blends 59:20	85:11,13,16	80:20,22 81:1	8:23 33:16	67:7,8 70:16
65:12,20,22	60:4,15	85:17 86:9,20	81:6,10,14,18	43:16	71:5,13,16,23
65:25 66:3,7	board 1:1,16	87:8,12,15,18	81:21 82:8,13	certain 12:9	72:11,13
66:11,15,18	2:6,7,8,14,16	87:20,22,24	83:2,12,23	certainly 65:4	73:17,22
66:23,25 67:3	2:18,25 3:6	88:2,4,8,9,10	84:2,7,10,16	certify 90:4	75:20,23
67:7 71:5,13	4:10,15 7:1,14	88:11,16,18	84:21 85:1,8	cetera 6:14	76:15 77:1
71:16,23	7:16 9:10	bodily 69:25	85:11,13,17	31:18 47:25	78:2 79:13,21
72:11,13	10:21 11:2,5	book 30:17	86:4,9 87:22	82:2	79:24 80:1,4,9
73:17,22	11:11,15,22	borehole 83:4	88:9	CFR 7:23,24	80:13,17
75:20,23	12:3 15:15,19	83:21 84:12	call 2:5 49:13	8:13 17:6 58:8	81:12,16,20
76:15 77:1	15:23 16:6,21	84:14,18,22	62:18 71:9,19	59:18 61:12	82:11,17,21
78:2 79:13,21	17:22 18:2,4,7	84:24 85:6	camera 54:16	CGRS 73:20	82:25 83:19
79:24 80:4,9	24:23 25:3,10	boreholes 83:24	54:16,20	Chair 25:6	84:23 85:3,12
80:13,17	25:18,20,22	84:11	cap 86:1	30:25 47:11	86:4 87:5,19
			capability 23:10		

87:25 88:3,5	Chicago 5:21	31:5 36:1,22	85:18	compatible	conformance
88:12,17,18	choice 79:5	closely 64:22	commented	10:17,25	63:6
88:20	circled 66:12	73:7	64:19 79:19	23:12	confusing 7:16
Chairwoman	citation 6:15	closing 31:15	commenter	compensating	confusion 34:11
1:16	14:16 60:22	closure 31:14	54:18	69:24	Congratulati...
change 7:8	citing 56:13	35:14,19	commenters	complete 22:23	88:16,17
21:24 35:23	city 47:16,25	36:25	16:10	22:25 53:3	connected
35:25 55:18	49:18	code 51:18,18	comments 8:18	63:10	53:21
57:18,23 58:7	Civil 72:16	52:8 55:20,22	13:5,8,19,20	completed	connectors
60:5,16,23	clarification	55:24 63:6,11	13:25 22:16	22:19 27:8	53:22
61:19 62:20	24:21,22	codes 10:19	23:23 24:5,11	34:3 53:5	consecutive
62:25 63:11	56:21 83:13	14:11	24:15 33:17	compliance	57:17,19
63:16,25 68:4	clarifications	collected 83:5	33:20 50:1,2,3	1:20 3:12	consideration
68:16,20 69:6	6:19 22:7 32:9	83:15 84:18	50:9,25 52:22	26:19 41:6	73:12
69:6 77:9	37:17	combination	54:13,21,22	73:5,13 74:14	considerations
86:14,14	clarified 32:14	25:15	54:22 56:1	complicated	67:11
changed 15:7	33:5 34:8,8	come 5:5,10 8:3	57:4 64:11,14	62:5,22	considering
52:11 54:7	clarify 16:16	40:5 41:24,25	64:16,23 65:3	comply 26:7	71:6
62:2 69:7,13	32:10,14	44:17 46:16	65:24 67:1	61:9 73:1,10	consist 63:5
77:8,9 79:10	34:25 83:6	53:17 56:8	69:10 72:23	73:11	consistency
changes 3:4,7	85:2	76:18	73:18,21,22	complying	35:12 37:21
3:19,21,22 4:4	clarifying 20:7	comes 41:19	76:21,22 77:2	26:20	40:9 57:17
4:7,7,20 6:20	33:3 84:10	coming 5:9 31:3	77:6,14,15,17	Composite	consistent 35:7
7:21 8:25 9:14	Class 53:7,7	48:1 75:5	78:1,13,15,17	60:18,20	consistently
13:13,17,17	clean 36:9 40:3	comma 81:23	79:14,19 80:2	compromised	74:16
13:21,23	40:3,4,7,7,9	82:6,6	80:5,14,16	21:18 28:1,25	constituting
15:11 16:12	65:9,10,11,14	commas 82:2	85:14 86:10	29:15 30:3	90:6
18:9 23:24	65:23 67:16	commenced 2:2	86:13 87:19	62:15	constraints 78:8
24:20 32:20	68:17,21 69:2	comment 51:12	Commission	concentration	construct 39:1
52:15 53:1	69:13	51:13 52:10	46:24	66:7	39:6,10 47:25
64:11 65:7	cleaned 7:10	53:12,25 54:8	committed	concern 53:15	constructed
67:3,4 78:13	cleaning 22:6	54:23 55:3	56:14	73:10 77:23	7:25 15:9,13
87:6	24:13	56:18 57:11	common 58:21	85:6	43:2
changing 14:2	cleans 45:13	57:23,24	59:9,20	concerned	cont 45:20
40:13	cleanup 39:22	58:18 59:1,8	community	53:12	contain 28:19
chapter 3:8,10	39:24 40:1,1,6	59:17 60:6,16	34:21 74:22	concerns 24:8	contained 18:11
6:7,22,24 14:5	45:17,18	60:17,24 61:7	75:11 78:11	72:24 74:11	26:4 48:12
14:8 15:4,4,5	cleanups 35:1	61:11,20 62:4	companies	conclude 56:19	57:9 90:5
15:6 43:9,10	clear 57:1 78:14	62:20,21,24	41:24	conduct 39:2	containment
51:22 68:5,9	clearer 68:4	63:1,12,17	company 73:19	confidential	9:24 10:11
72:1 88:21	clicking 9:12	64:1 68:24	compat 10:16	54:3	20:17,18 22:9
chapters 6:25	close 16:23	69:1,3,5,12,18	compatibilities	confirmed 62:1	24:9 49:13
43:10	35:16,16	70:5 71:7,25	10:15	62:1,22 63:9	51:2,2,8,9
charge 46:22	76:23	77:19 78:4	compatibility	69:16	contains 28:17
Cheyenne 1:15	closed 21:3,5	80:2 82:18	10:12	conflicting 53:1	contaminant

40:2 85:25,25	correctly 73:24	69:20	63:13,15	detector 81:25	20:18
contaminated	corrode 11:13	curious 75:25	defined 22:2	85:23	disposal 49:7,8
53:13	11:14 28:14	current 54:6	68:6,11 85:19	detention 9:25	disposed 47:19
contamination	corrosion 11:7	currently 5:2	definition 53:7	determine	distribution
17:18,21	11:20,24,25	58:14,23	61:1,4,7 67:17	63:10	15:8 43:3
77:22	28:11 60:25	59:15 60:10	67:18 69:4,5	determining	distributors
content 78:6	69:4,8 87:10	cut 5:25	definitions	58:1	74:5
contents 14:4	corrosive 10:22	cycle 26:12,14	16:14,15,16	Deti 55:25	District 1:21
context 86:24	10:25		16:20 85:14	Deurloo 1:18	division 1:3,23
continuation	cost 67:23	D	85:18	2:10,24 15:15	3:3,9 6:10,12
25:7	costs 67:20	D 2:1 24:17	delete 57:8,9	15:19,23 16:6	6:22 7:2,7
continue 57:18	country 74:16	72:7 76:4	deleted 81:24	37:25 38:8,22	14:9 56:25
89:2	75:14	daily 54:17	delivery 40:14	39:13,15,18	89:3
contractor 53:3	County 1:14	damage 69:25	40:23 41:1,4	41:11 78:1	document 8:20
54:9,11	couple 5:16	damages 23:20	demonstrate	80:24 82:15	14:14 26:5
control 51:21	14:20 23:22	45:9	39:3 69:24	82:19 84:25	33:17 43:17
51:24 52:4,6,8	50:10	danger 16:24	department	85:7 88:2,4,8	50:24 56:15
55:5,5,10,12	course 47:14,16	data 39:3 52:23	5:17 26:2,10	DIA 17:25	57:3
55:22 57:7,12	cover 8:10	database 62:8	38:17 51:1,4	diagram 12:19	doing 5:9 7:7
57:16 58:1,7	44:12,15 45:9	62:24	53:20 54:1	diesel 56:21	12:1 35:1 40:5
controls 67:18	45:17 60:15	date 6:15 40:13	57:18 60:12	68:8	40:7 42:7,8,14
67:22	64:4	date's 42:25	60:16,22	difference 5:22	50:4,7 56:14
convenience	coverage 14:23	Dated 90:7	61:15,16,23	7:10 31:23	dollars 44:7,13
74:7,8 75:25	63:20,23 64:3	day 1:12 90:7	62:6,25 63:16	different 7:17	44:16
conversations	covered 43:15	day-to-day 53:8	63:24 69:17	28:4 41:17	door 5:5
4:23	43:16,16 46:4	53:9	69:19	49:7 76:8	double- 48:4
coordinator	47:15 60:3	days 22:19,23	Department's	83:10 86:22	double-wall
72:17	covering 44:22	27:8,9,9 28:24	23:19 53:16	difficult 56:4,12	21:17 27:17
copies 13:9	45:4	29:3,10,12	54:5	diligence 75:17	34:2 55:7,11
copy 13:4 65:19	covers 29:24	30:4 37:19,20	depend 86:23	diligently 73:4	55:11,12
67:1 80:12	59:3	77:23	depends 26:25	disagreed 52:13	double-walled
82:18	Covey 5:18	deal 77:21	depths 35:8	77:8	18:25 21:22
correct 4:14	CP 22:17 23:8	dealer 56:20	DEQ 63:7 72:6	disagreement	49:2 60:8
11:11 27:12	61:1,4,7 69:3	68:7	74:21 75:4,10	52:15	drained 48:20
60:22 66:6,8	69:5 86:21	December 1:13	76:8 77:3 79:6	discovered	drive 17:15
81:23 83:11	87:2,4,4,9,9	2:3 13:19,20	DEQ's 34:13	60:11	dropped 38:25
90:6	create 47:24	89:6	design 23:8	discovery 62:23	Ducharme 1:21
corrections	created 44:10	decommissio...	designed 28:17	discuss 78:18	3:14 83:11,21
10:20 77:2	creation 61:13	31:9	28:19 53:23	discussed 16:12	83:25 84:5,8
78:17 79:16	crew 41:23	deductible	destroyed 36:5	60:15	84:15,20 85:5
corrective	criteria 67:11	44:17	details 2:5 75:1	discussion	85:10
34:25 35:2,4	cropped 7:16	deemed 76:10	detection 9:16	79:16 88:2,3	due 32:24 40:18
45:12,18	cumbersome	defer 77:16	17:8,20 25:16	dispense 56:20	53:13 56:11
63:14 65:15	35:9,11 56:18	deferrals 15:12	30:9,10 55:14	68:8	62:8 75:17
69:23	61:24 62:19	deferred 7:23	58:10 59:9	dispenser 20:17	duly 1:11
		7:24 8:11 15:9			

e 2:1,1 30:2 33:24 72:25 73:6 90:1,1	eliminate 6:17 eliminated 8:14 8:17 43:12,13	18:10,10,15 18:20 19:9,17 19:25 20:12 20:16,21 21:2 21:12,20 22:10,20 23:13,21,24 23:25 24:4,12 24:12,18 26:13 32:8,12 32:22,24 33:8 33:11,12,19 33:20,22,25 34:7,9 35:4,6 35:20 36:2 37:7,14 39:23 40:15,25 41:16,17 42:3 42:4,5 43:3,7 46:21 51:8,14 51:19 53:14 55:17,18,19 56:5,13 58:8 58:16,19 59:17,20 61:12,13 63:15 72:18 75:12 76:8 78:9	65:4 86:18 especially 86:16 et 6:13 31:17 47:25 82:2 ethanol 10:13 evaluate 52:7 evaluation 38:9 Everybody 44:6 everyone's 71:8 exactly 26:14 exam 42:1,12 example 85:24 excavation 83:4 excellent 86:11 exceptions 20:2 68:12 exchange 54:25 75:7 excuse 4:10 19:6 executive 74:3 exemplary 74:21 exempt 18:21 exempted 17:6 18:13,21 46:18,18 63:16 exemption 17:3 18:14 exemptions 19:1,2 existing 60:13 exists 60:21 expanded 15:5 expanding 63:13 expenses 26:18 expensive 47:25 expert 23:8 53:24 explain 74:12 expressing 6:3 79:2 extend 64:18	exterior 11:20 11:25 extra 47:21 extremely 77:10 77:15 eye 25:4	21:14 22:1,1 22:20 33:2 37:19 44:3 51:18,19 55:15,17 57:9 57:15 58:5,13 58:22 59:13 60:10 61:18 63:24 64:1 73:1,3 feel 5:13 fees 40:16,18 44:24 45:1,16 67:24 field 7:25 15:8 15:13 43:2 52:25 figure 30:5 86:25 file 65:18 66:1 fill 9:15 36:7 final 51:19 financial 6:23 14:23 15:1,3 43:8,9,23 44:6 44:7,9,11,13 44:25 45:14 63:14,23 64:5 69:24 70:4,7 financially 44:1 find 27:19,25 40:3 48:9 52:5 78:25 79:3,19 fine 15:20 fire 16:24 52:8 55:20,22,23 55:24 61:22 61:24 62:2 63:3,4,6,6,9 63:11 69:16 69:19 first 2:21 3:11 4:4 5:11 14:9 18:9 22:5 36:9 40:12 45:10
E15 10:14 earlier 21:4 23:11 25:4 35:16 easier 56:6 78:25 79:4 easiest 50:19 easy 75:15 77:10 editorial 6:19 10:19 13:13 14:11 19:8,16 20:15 21:15 22:5,16 23:9 23:20,23 24:5 24:5,14,20 32:18,25 33:4 33:8,12,13,13 33:19,25 34:6 34:13,14,19 34:23,23 35:21 37:1,17 40:9,12,20 41:2,14 42:16 editorials 34:12 effective 3:19 50:6 75:4 effort 64:17 either 22:1 51:15 86:23 87:3 elected 2:17 election 2:22 elections 89:2 electronic 24:15 51:15,16,17 79:11 electronically 52:23 eligible 34:18 44:24 63:22 69:23	email 54:8 emailed 13:3 79:10 emergency 27:1 emerging 10:13 employee 54:10 enacted 18:24 encountered 82:14,16,23 83:3 encounters 84:15 encouraging 39:16 ended 64:20,24 endured 74:25 Energy 3:21 10:6 enforce 5:10 55:22 enforcement 5:6,9 engagement 34:22 engaging 74:21 engineer 38:20 Engineering 72:16 engineers 40:5 entertain 87:21 entire 35:5 60:8 entity 76:10 entry 62:23 environment 34:5 74:19 environmental 39:21 72:17 EPA 3:20 4:22 4:23 5:3,5,9 7:23,24 8:11 8:23 9:9 10:7 10:7,9,9,12	EPA's 34:21 EQC 87:23 88:15,23 equations 40:5 equipment 9:16 9:21,23,24,25 10:1 12:9,14 19:15 20:13 22:9,13 23:18 23:19 52:2 equipped 59:12 80:25 81:2,19 equivalent 5:3 52:3,3,6 Esch 1:19 3:12 4:16 64:15	F F 35:5 72:25 73:6 90:1 facilities 37:10 46:20 47:3 49:8 55:21 58:11,15 59:15 73:7 facility 27:1 37:2 38:3,4,19 38:25 39:1,2,6 39:11 40:13 40:15,19 53:15 54:9 58:11,24 fact 4:18 75:9 86:12 87:3 fail 48:17 fails 21:23 34:2 48:9 57:16 failure 27:16 failures 27:7 fairly 7:18 59:9 fall 54:15 falls 60:12 familiar 5:19 30:23 far 78:12 farm 45:20 46:3 farms 46:11 farther 20:22 favor 88:7 fax 62:23 federal 3:19,22 3:25 4:1,3,5 8:7,7,25 9:3 9:13,22 13:18 14:24 15:12 16:15 20:5		

50:4,25 65:13	front 73:8,12	41:18 74:25	81:14 82:5	40:2 58:18,20	36:6,11 38:7
65:22,23 72:5	fuel 20:10 22:22	Gilbreth 1:20	88:24	58:21,23,24	38:14,17,24
88:20	23:1 37:8	3:12 11:9,12	going 3:14 4:7	58:25 77:22	39:14,17,19
fittings 21:10	40:15,22 41:1	11:16,23 17:2	4:21 5:11 6:7	82:14,16,22	41:12 45:5
five 56:1	41:4,5,6,6,9	17:25 18:3,23	7:22 8:18,19	83:3,4,7,13,14	46:7,23 47:6
five-minute	43:2 45:20,22	19:3 26:16,23	9:2 10:15,17	83:25 84:15	47:10 48:3,7
71:14,17,20	46:15 54:2,17	28:5,10,13,16	12:14 13:2,24	84:17	48:16 49:12
five-year 52:10	74:5 76:3,3	28:23 29:3,7	14:5,6,21,24	group 50:13	49:16 50:2,15
54:6	fueling 37:10	29:11,22 30:6	16:2 17:19,20	guarantee	50:17,20,23
fix 84:8	55:21	30:9,12,16,20	31:7,8,9 32:16	73:13	51:7 55:2
fixed 53:2 87:6	fuels 10:13,16	31:13,20 32:1	33:15,16	guess 52:15	57:22 64:9
87:11,12	10:24 15:8	38:13,15 44:3	35:12 36:16	68:4	65:7,13,21
flex 53:21	full 2:8,25 6:14	44:21 45:3,24	41:19,20,20	guidance 8:20	66:5,9,14,16
flexibility 38:9	14:16 26:19	46:8,17 70:21	41:22 42:1	9:9 10:7,9	66:22,24 67:2
51:15	73:4,13 90:6	70:24	46:15,15 48:9	26:5 33:16	67:4,8 70:10
Flying 41:21	fully 28:24 73:1	Gina 1:22 3:17	50:1,20 51:5	35:6 42:4	70:12,16,19
focus 9:20	73:10,10	4:9 5:21 6:6	51:11 52:19	43:17 56:15	70:22 71:1,4
fold-out 12:11	further 14:19	13:11 14:18	56:16 57:2,20	57:3	80:1,6,19,21
folks 49:20	30:16	16:19 25:9	71:25 72:5	guide 5:18,19	82:5,20,22
follow 8:7		32:6 79:6	73:14 78:20	5:21 6:4 8:7	83:1,17 86:4
followed 75:12	G	give 12:6 19:19	79:14 81:11	78:23	86:19 87:5,9
Force 54:24,25	g 2:1 35:14	27:14 64:20	81:12 82:3	guideline 42:3	87:14,17
72:9,16,19,25	81:15	66:11 71:18	84:2	guidelines	88:18
foregoing 90:5	gallons 44:5	76:24	good 32:5 49:23	75:12	hammered
forever 36:3	46:6,8,10 55:6	given 1:11 75:9	71:3,3 79:5,17	guys 7:17 74:9	17:18 18:1
formatting 6:20	57:25 58:4,6	gives 31:14	81:21 83:19		handed 13:4
forth 13:9 56:17	garbage 47:18	go 3:10,15 7:22	86:16	H	16:3 65:16
forum 76:23	gas 9:17,19	10:3 12:7 13:3	Gotcha 30:15	H 37:1 38:1	handle 28:8
forward 4:21	12:17,17	13:12,15,16	85:7	habitats 67:13	handout 12:11
5:13 16:12	17:24 36:14	13:24,25 14:1	government	half 26:25	12:11
74:12 75:18	36:14,20	14:3,6,7 22:21	3:25	Halvorsen 1:22	Hanson 1:17
78:18 87:22	46:24 47:1,6	23:18 26:18	governor's 5:24	3:3,5,16 4:13	2:16,16 9:10
forwarded	gasoline 56:20	27:2 29:13,20	6:25 43:11	5:16 7:5,20	10:21 11:2,5
88:15	59:20 60:4	30:1,13 33:20	grant 3:24,25	9:13 10:4,24	11:11,15,22
found 9:3	68:8	35:12 38:5	gratitude 64:19	11:4,8 12:5	12:3 16:21
four 27:3 53:12	gauges 59:12	39:25 40:1,1,8	great 71:15,16	13:1 15:16,20	17:22 18:2,4,7
64:12,14	gauging 51:21	41:17,23 42:7	78:5	16:2,5,7 17:1	24:23 25:3,10
fourth 2:6	51:25 52:1	43:22 45:8	greater 10:13	18:5,8,20 19:6	25:18,20,22
71:24	55:13,14 59:8	48:25 50:11	10:14 17:4	19:21,23 23:4	30:25 31:3,12
Franklin 5:18	59:14,15,16	50:21 52:24	46:6	25:2,9,11,14	31:13,17,21
free 66:8,12,20	general 85:18	57:5 64:10,13	ground 11:19	25:19,21 26:3	35:17 43:20
66:22 79:10	generally 75:11	67:19,21	11:19 36:3,5,8	26:11 27:12	47:11,13 48:4
79:11	generate 39:3	70:24 72:5	36:13 47:15	27:21 29:12	48:6,13,17
frightfully	generated 53:13	76:4 77:11	48:24	29:20,23	49:11,14,17
47:24	generator 27:1	79:11 80:23	groundwater	30:21 31:11	71:15 77:19
	getting 3:24			32:2,5 35:18	

80:25 81:3,8 85:16 86:20 87:6,8,12,15 87:18,24 88:11,16 happened 11:16 happens 31:6 hard 30:1 56:16 65:19 67:1 68:13 75:4 86:16 harder 81:13 hazardous 1:3 1:19 3:2,9 6:9 6:12 7:6,9,13 8:15,16 14:8 33:14 43:14 59:22,24,25 60:8,11,13 heading 62:3 69:7,13 hear 73:3 hearing 73:16 88:14 held 9:11 75:2 help 9:20 13:7 14:24 56:15 79:18 80:9 helpful 12:10 65:2 helps 44:12 62:12,13 highest 74:16 74:17 Hmm 81:10 hook 17:14,14 hope 30:21,22 65:4 75:12 hopefully 35:11 71:17 hose 17:14,24 hour 1:13 26:24 88:25,25 hours 26:25 27:3	hundred 70:6 70:22 hunt 82:4,6 hydrant 7:25 15:8 16:22 17:11 43:2 hydrants 15:13 hydrostatically 53:14 <hr/> I I-23 19:14 ICC 42:1 idea 12:6 ideas 75:7 immediately 27:23 28:1,9 29:18,18 62:12 impact 44:15 impacted 74:20 implement 42:24 implemented 4:24 importance 74:18 important 5:13 63:4 77:24 improve 78:8 78:10 improved 58:2 in-depth 13:16 inaccurate 61:16,17 inception 4:5 include 5:23 15:5,7 19:1,2 60:25 61:1 67:11 included 7:22 15:2 33:21 59:6 67:14 78:24 including 30:10 63:12 81:25	86:17 inconsistencies 35:8 inconsistent 79:5 85:22 incorporate 4:21 incorporated 8:25 indefinitely 36:22 independently 76:9 indicate 57:14 indicates 4:23 30:12 39:24 indication 49:23 individual 45:21 individuals 64:18 industry 2:11 64:18,24 86:6 86:7 inert 36:7 information 6:21 informing 31:25 initial 80:14 86:1 initiative 5:25 6:25 34:22 43:11 injury 69:25 inner 11:6 27:25 48:9 inserted 61:12 61:14 81:23 inside 11:10 21:22 27:20 28:18 inspection 42:18,19,20	53:5 67:19,23 67:24 inspections 9:22 9:24 23:25 24:3 25:25 26:1,4,6,10,12 42:21,22 51:2 51:2,9,9 54:10 inspectors 52:24 54:12 install 19:10 installation 58:10,20 63:11 installers 41:15 42:15 instance 43:23 56:13 68:14 85:23 Institute 60:19 60:21 insuring 44:20 integrity 21:17 30:2 34:3 interest 1:12 86:12 interests 16:22 internal 62:9 internally 11:14 interrupt 25:6 interstate 46:19 47:2 interstice 48:10 interstitial 27:18 28:21 29:1 30:10 55:4 interstitially 18:12,25 49:3 interval 26:18 introduce 2:12 72:13 introducing 2:7 introductions 3:11	introductory 3:10 intrusion 67:12 inventory 51:21 51:24 52:2,4,6 52:8 55:4,5,10 55:11,21 57:7 57:12,16 58:1 58:7 investigate 29:4 30:14 issue 10:22 16:22 22:25 23:11 56:11 77:24 issued 52:13 issues 12:13 62:9 76:12 item 2:21,25 3:1 3:2 13:5 25:7 items 40:24 79:25 iv 19:8 20:12 <hr/> J J 37:24 39:20 41:21 90:3,11 January 40:18 50:24 90:7 jetways 17:13 job 74:21 86:11 judgment 44:15 45:6,6,10 Jug 76:3 June 19:10,11 justification 57:25 <hr/> K K 40:11 Karen 1:22 3:3 3:15 4:16,18 KATHY 90:3 90:11 keep 11:7 66:15 66:16,18	KENDRICK 90:3,11 kept 9:12 key 4:20 Kilgore 73:24 kind 5:12 8:6,8 12:6 13:14 16:22 26:9 35:8 40:10 45:22 76:23 79:15 83:21 kinds 49:22 Kirkbride 1:18 2:18,18 4:10 4:14,15 25:23 26:4,8,12,17 26:21,23 36:4 36:7,9 43:21 44:19 45:2,6 45:19,24 46:12,21,24 47:5,9 70:9,11 70:13,17,18 71:3 75:21,24 76:5,7,13 77:18 88:10 Klaus 1:17 2:16 47:12 know 5:21,22 7:3,17 9:6 13:8 27:13,18 27:25 28:7 30:3,4 31:5 32:6 45:20,21 46:25 47:23 48:19,21 49:12,19 50:15,16 64:22 65:10 72:5 73:6 78:7 78:9 79:1,5,6 86:15,20,24 87:1 knowledge 78:10
--	--	--	--	---	---

knows 20:9 22:24	72:15,15 73:18	85:23	41:17 42:15 46:15 50:16	78:6	38:24 43:25
Kum 70:24 76:4	let's 23:10,22 27:19 43:22	47:24 48:11 48:12	86:12	making 3:20 22:7 38:10	66:12 78:12 83:10 86:24 87:3
L	71:13 80:23 81:14 84:17	lines 18:22	lower 85:20,24 86:2,7	MALE 54:25 73:21	meaning 86:22
L 41:10	letter 80:22	lining 10:23	luck 88:22	manage 8:4	means 40:14
land 67:11	82:9	11:6,10 12:1 47:21,22 48:8	Luke 1:19 3:11	manager 1:22 3:16	43:25 46:22 69:5 85:23
language 7:23 9:1,3,5 20:14 57:15 61:13 85:9	level 3:22 13:18 54:17 85:25 86:1	liquid 28:25	lunch 71:7 88:25	manner 73:11	meant 39:5 87:1
Laramie 1:13	levels 40:2	list 8:15,19 68:12,13,22	M	manual 59:8,14 59:15,16	measurement 6:4 79:2,3
large 2:9,15 12:10 59:2	Lewis 73:23,23	listed 35:19 59:21 87:4	M 8:12 43:1 63:12	manufacturer's 21:11,19 27:24	mechanism 8:1
Largent 54:24	liabilities 64:4	listened 75:11	ma'am 12:25 72:12	Marge 2:8	meet 4:1 14:24 20:7,24,25 21:6 22:10 52:2
larger 46:9	liability 64:3	listening 72:8	machine 90:4	Marjorie 1:16	meeting 1:6,12 2:2 23:6 33:6 52:21 71:21 71:24 87:23 89:5
Larson 74:2,3 76:2,7,14,16	Library 1:14	listing 33:17	Madam 3:5 4:13 7:5 23:2 25:6,23 26:3 26:11,16 28:10,23 29:12 30:6,25 31:11 36:6 37:25 38:7 45:5,24 46:23 47:11 48:3,16 50:11 64:10 64:15 67:8 70:16 74:2 75:21 76:7 77:3 80:1 86:4 87:5 88:18	Mark 74:3	meetings 32:15 74:25
late 13:22	license 41:18,20 41:21	lists 43:17	marked-up 80:12	Marketers' 68:24	meets 34:21 63:11
law 37:19 42:5	licensed 22:3 41:15 53:22 74:5	little 2:23 5:12 6:16 9:20 13:3 13:10 14:19 25:24 68:3,3	marketers 23:7 24:8,8,11,15 32:15,15 33:5 50:10,24,25 51:3,10,14,16 52:14,18,21 52:22 53:3,10 53:12,18,20 54:1,5,9,14 64:23 74:1,4 74:18 76:1	marked-up 80:12	member 2:14 2:16,18 4:10 4:15 7:1,14 9:10 10:21 11:2,5,11,15 11:22 12:3 15:15,19,23 16:6,21 17:22 18:2,4,7 24:23 25:3,10,18,20 25:22,23 26:8 26:21 30:25 31:3,17,21 35:17 36:4,9 37:25 38:22 39:13,15,18 41:11 43:20 43:21 44:19 45:2,19 46:12 46:21 47:5,9
layer 4:25 62:17	licensing 41:14 42:15 54:6	Loaf 76:3	Ma'am 12:25 72:12	Mark 74:3	meetings 32:15 74:25
layman 86:25	limit 22:22	local 45:21 61:22,24 62:2	main 5:24 9:19	Marketers' 68:24	meets 34:21 63:11
lead 30:3 57:6	line 13:5,5,7 17:21 19:9,19 20:6,11,16,20 21:2,4,9,13,15 22:2 23:5,15 24:4,7,14,18 24:21 25:2,6 27:6,16 32:11 32:11,12,13 32:17,23 33:1 33:1,7,9,11,13 33:14,20,21 33:25 34:7,8 34:24 35:15 35:24,24 37:2 38:4 40:12,23 40:24 42:18 42:24 47:18 80:8 81:2,4,7 81:10,19,22 81:24,25	long 22:20 26:21 39:16 40:17 50:8 52:23	maintain 3:24 51:15 57:17	Marketers' 68:24	meetings 32:15 74:25
leadership 74:15	licensing 41:14 42:15 54:6	longer 8:11 9:1 21:21 32:23 36:21 37:3 60:21	maintained 25:19	Marketers' 68:24	meetings 32:15 74:25
leading 30:3	limit 22:22	look 38:18,20 38:21 39:9,12 39:12 42:9,10	maintaining 49:24	marshal 55:23 63:3,4,6	meets 34:21 63:11
leak 17:7,20 27:19,25 29:14 30:9 55:14 58:3,10 59:9 81:2,19 81:25 82:2 85:23	line 13:5,5,7 17:21 19:9,19 20:6,11,16,20 21:2,4,9,13,15 22:2 23:5,15 24:4,7,14,18 24:21 25:2,6 27:6,16 32:11 32:11,12,13 32:17,23 33:1 33:1,7,9,11,13 33:14,20,21 33:25 34:7,8 34:24 35:15 35:24,24 37:2 38:4 40:12,23 40:24 42:18 42:24 47:18 80:8 81:2,4,7 81:10,19,22 81:24,25	local 45:21 61:22,24 62:2	maintains 73:6	marshal's 63:9	member 2:14 2:16,18 4:10 4:15 7:1,14 9:10 10:21 11:2,5,11,15 11:22 12:3 15:15,19,23 16:6,21 17:22 18:2,4,7 24:23 25:3,10,18,20 25:22,23 26:8 26:21 30:25 31:3,17,21 35:17 36:4,9 37:25 38:22 39:13,15,18 41:11 43:20 43:21 44:19 45:2,19 46:12 46:21 47:5,9
leakage 18:2	licensing 41:14 42:15 54:6	long 22:20 26:21 39:16 40:17 50:8 52:23	maintain 3:24 51:15 57:17	material 36:7	meetings 32:15 74:25
leave 59:19	limit 22:22	looking 31:2 38:11 72:3 80:2	maintained 25:19	materials 11:1	meets 34:21 63:11
leaves 5:5	line 13:5,5,7 17:21 19:9,19 20:6,11,16,20 21:2,4,9,13,15 22:2 23:5,15 24:4,7,14,18 24:21 25:2,6 27:6,16 32:11 32:11,12,13 32:17,23 33:1 33:1,7,9,11,13 33:14,20,21 33:25 34:7,8 34:24 35:15 35:24,24 37:2 38:4 40:12,23 40:24 42:18 42:24 47:18 80:8 81:2,4,7 81:10,19,22 81:24,25	longer 8:11 9:1 21:21 32:23 36:21 37:3 60:21	maintaining 49:24	matter 1:12 87:3	member 2:14 2:16,18 4:10 4:15 7:1,14 9:10 10:21 11:2,5,11,15 11:22 12:3 15:15,19,23 16:6,21 17:22 18:2,4,7 24:23 25:3,10,18,20 25:22,23 26:8 26:21 30:25 31:3,17,21 35:17 36:4,9 37:25 38:22 39:13,15,18 41:11 43:20 43:21 44:19 45:2,19 46:12 46:21 47:5,9
leeway 27:14 28:2	licensing 41:14 42:15 54:6	looks 12:16 31:10	major 7:20 27:2 72:24 77:22	Maverik 41:19 70:25 76:4	meetings 32:15 74:25
left 38:25	limit 22:22	Lorie 1:17 2:14 78:21	maintenance 9:15 69:8,9	maximum 40:2 85:25,25	meets 34:21 63:11
legislative 4:8 6:10 72:21 76:11	line 13:5,5,7 17:21 19:9,19 20:6,11,16,20 21:2,4,9,13,15 22:2 23:5,15 24:4,7,14,18 24:21 25:2,6 27:6,16 32:11 32:11,12,13 32:17,23 33:1 33:1,7,9,11,13 33:14,20,21 33:25 34:7,8 34:24 35:15 35:24,24 37:2 38:4 40:12,23 40:24 42:18 42:24 47:18 80:8 81:2,4,7 81:10,19,22 81:24,25	lot 3:13 12:14 17:17 35:19	majority 37:16	mean 9:18 19:14 26:9	member 2:14 2:16,18 4:10 4:15 7:1,14 9:10 10:21 11:2,5,11,15 11:22 12:3 15:15,19,23 16:6,21 17:22 18:2,4,7 24:23 25:3,10,18,20 25:22,23 26:8 26:21 30:25 31:3,17,21 35:17 36:4,9 37:25 38:22 39:13,15,18 41:11 43:20 43:21 44:19 45:2,19 46:12 46:21 47:5,9
legislature 11:17,24 44:10,14	licensing 41:14 42:15 54:6	lot 3:13 12:14 17:17 35:19		mean 9:18 19:14 26:9	meetings 32:15 74:25
Lester 72:10,12					

47:11,13 48:6	million 44:7,9	24:3 51:11	need 10:16	notification	officially 5:4,8
48:13 49:11	44:12,16	53:4,4	12:23 22:25	23:21	offline 79:15
49:14,17	45:11 63:19	months 34:9	25:13 28:22	notified 62:10	oh 11:4,22
65:17,24	63:19 64:2,5,6	36:1,19 40:17	38:22 47:18	62:12	41:12 65:25
66:20 67:5	70:2,3,4,7	54:19 57:13	62:15 63:8	notify 55:22	65:25,25
70:9,11,13,18	million-dollar	57:17,19	65:16 70:7	NOV 52:13	66:14 68:20
71:3,11,15	45:14	motion 87:21	needed 4:1 9:4	number 5:25	70:18 71:3
75:21,24 76:5	mind 72:12	88:1,14	11:6	6:25 13:7 16:8	81:7 84:13
76:13 77:3,11	77:8	motor 55:20	needs 52:11	19:20 43:10	oil 46:24 47:6
77:18,19 78:1	mine 66:11	move 4:16 6:10	57:10 81:24	50:8 56:11	59:10 72:7
78:22 79:18	minimum 35:5	12:24 16:12	negative 57:12	58:5 81:7	76:4
79:22 80:7,11	Mining 55:25	20:6 50:1	negatively	numbers 5:23	okay 5:16 11:22
80:16,18,20	68:2,18	64:15 77:1	74:20	6:1,2 13:6	12:3,24 14:2
80:22,24,25	minor 77:15	78:16,18	Nelson 73:25	78:24 79:1	16:14 18:8
81:1,3,6,8,10	78:17,17	87:22	never 9:6 45:15	80:8	19:6 22:4 23:4
81:14,18,21	minute 15:17	moved 3:9 6:11	58:21 63:16	numerals 79:3	23:5 24:17
82:8,13,15,19	15:18	6:14,21 14:15	new 4:1 6:5 8:7	nutshell 43:19	25:10,18 26:7
83:2,12,23	minutes 26:24	16:9 20:22	10:1,11 16:15	43:20	27:13,15 29:2
84:2,7,10,16	27:2	22:4 42:17,18	17:25 18:11		29:5 30:8,11
84:21,25 85:1	missile 73:6	56:24 68:18	18:24 19:17	O	30:15,18
85:7,8,11,13	misunderstan...	68:19	19:25,25	O 2:1	31:22 32:7
85:16,17 86:9	57:7	moving 3:1 5:13	20:12,14,16	O&M 9:21 10:1	36:23,24
86:20 87:8,12	mod 59:11	6:9 7:2 18:16	20:24 21:12	observation	39:13,18,20
87:15,18,22	modification	33:24 34:12	21:14 22:10	84:6	44:17 45:2
87:24 88:2,4,8	67:17,20	74:12	24:1,1,4,12,18	observe 72:22	46:12 47:5,9
88:9,10,11,16	modified 19:12	multi-inspecti...	32:8,12,18,22	obtain 5:7	50:2,3,20,23
members 2:7,12	24:10 32:21	24:1	32:24 33:10	obtaining 4:20	51:7 65:7
74:3,7,13	42:13 61:4,21	mutually 74:15	33:11,12 34:7	obvious 86:11	66:23,24 67:6
76:17 77:16	87:23	N	38:5,5,8,15,18	obviously 73:2	67:7 71:5,19
78:3	moment 71:10	N 2:1 6:24 43:7	38:20,20	75:6	72:9 73:19,22
mentioned	72:10 78:20	76:3	39:16 41:1,1	occurred 49:18	73:25 76:13
77:21	money 3:25	name 6:15 66:1	49:6 58:11,20	57:14	76:20,23 78:2
messed 32:3	monitor 54:17	72:15	61:11 79:9	occurrence	78:19 79:21
Methanol 59:21	72:20	narrow 9:20	noncorrodible	63:19	80:7,17,21
methanol/	monitored	national 71:1	21:10	occurring 11:7	81:18,21,21
59:19 60:3	18:12 19:1	nationwide	noninsurance	October 3:20	82:7,8 83:1
methanol/gas...	49:3	44:8 70:17,18	44:21	24:25 25:16	84:13,16,16
60:15	monitoring	71:2	nonsubstantive	65:8	85:8,11,17
method 25:15	27:18 28:21	necessarily	13:13	off-site 64:4	86:9 87:13,21
53:16,17	30:10 55:4	75:15	normal 57:13	office 56:6 63:9	89:1,1
58:10,12,19	58:10,12,14	necessary 6:18	note 55:20 79:8	68:14	old 15:4,6 17:17
58:20 59:2,9	58:15,17,19	12:15 39:4	notes 3:15	officers 2:22	18:1 33:22
59:12	58:20,21,23	61:25 74:20	notice 1:11 35:3	89:3	36:20 43:9
methods 25:16	58:24,25 73:8	75:17 76:10	notices 34:20	official 2:17	older 11:9
30:10 81:25	monthly 23:25	77:20	57:1	5:18 47:16	Oma 1:20 3:12
				49:18	

3:13 11:8 17:1	41:21,22 44:4	owners/ 23:16	65:9 68:17	passive 59:1,4	70:2,5 74:1,4
26:14 29:20	44:12,12	owners/opera...	paid 40:16,19	patience 71:8	picture 12:5,22
31:12 38:11	51:14,20 55:3	26:7	pair 15:10	patient 79:24	pictures 12:10
41:23 48:21	64:2 68:6,10	<hr/>	paper 15:22,24	pay 40:17 44:24	piece 4:20 12:9
Oma's 74:15	69:21,22	P	15:25 51:15	45:1	pilot 37:2 38:3,4
on-farm 45:20	70:14	P 2:1	paragraph 14:9	paying 36:17	38:19,25 39:1
on-site 36:17	opportunity	package 64:21	18:9 19:11,18	pays 45:10,11	39:2
54:10,11	75:7	77:5 89:4	21:13 23:6	people 21:21	Pioneer 1:14
62:12 67:19	opposed 31:1	packet 13:4	24:7,10 25:8	30:23 36:17	pipelines 46:13
Once 5:7	79:15 88:13	65:8,11 78:18	32:12,13,17	41:24 56:16	46:13,19 47:3
one-time 41:4,7	option 14:23	86:15 87:7	32:22 33:4,7	71:10,19	47:3
52:11,12	15:1 52:7	88:14	33:10 34:16	percent 10:13	pipes 21:10
ones 17:17 76:2	options 42:9,10	page 9:10 14:11	35:24 39:5	17:4 55:6 58:3	pipng 10:12,22
76:6	oral 62:23	14:18,20	42:25 54:2,4	58:4,6	17:13,19,23
online 6:21 62:8	order 2:6 3:24	15:10 16:3,8	57:6,8,8 67:15	percentage	18:11,13,25
62:10	13:25 20:7	16:18 18:9	69:15 80:23	75:25	47:1,2 53:21
open 5:5 12:11	23:1 71:19	19:7 20:6,16	parentheses	perform 51:20	55:11,12
23:19 76:23	originally 81:13	21:2 22:5,5,6	5:23 6:2 78:25	55:21	pitfalls 78:7
opens 12:13	outer 34:3	22:15,17 23:5	82:20	performance	pits 47:18
operate 5:2	48:10	23:10,15,16	part 6:24 8:12	31:19 52:3,4,6	place 32:16,16
21:23	outlined 30:7	23:23,25 24:2	15:16 16:9,13	performed	36:5,22 42:22
operated 24:25	outreach 8:19	24:6,11,13,17	18:14 19:24	75:17	52:13
25:17,18	50:4,5,7 64:17	24:21 32:7,9	20:21 21:14	period 27:11	placed 21:4
55:23	75:2 86:15	32:10,11,19	22:4 24:2,17	54:23	places 17:17
operating 8:1	outside 48:14	32:20,21,21	33:24 35:5,6	periodic 22:8	37:21 76:6
21:21 27:10	54:13 55:24	32:25 33:1,4,7	35:14 37:1,5	periodically	placing 54:14
36:14,15	overflow 9:23	33:9,12,13,13	37:24 38:1	20:13	plan 4:22 13:11
57:13 62:13	19:15 20:13	33:19,20,24	39:20 40:11	permanent	63:3,4,7,10
operation 9:15	62:5 67:18,22	34:1,6,7,8,14	41:10 43:1,7	31:14 39:1	plane 17:14
69:7,8 70:1	oversight 18:18	34:16,20,23	44:23 60:18	permanently	planes 17:24
operational	owner 22:24	34:23,24	63:12 77:23	21:3,5 31:5,15	planning 73:9
75:10	45:7,7,9,10	35:14,23	86:16	permit 39:6,7	plans 63:5
operations	67:23 82:1	36:24 37:1,5	particular	39:10	platform 74:24
74:20	owner-operat...	37:24 39:20	18:17 39:3	person 5:8	play 48:1
operator 5:6,10	44:16 52:5	40:11,12,12	86:24	personnel 7:4	please 3:17 6:6
9:8 10:5 20:9	59:22 63:18	40:21 41:2,3,3	parties 1:11	72:6	9:7 10:2 13:15
20:9 25:25	owners 14:23	41:10 42:17	69:25	perspective	15:10 66:17
27:14 36:17	14:25 25:11	42:24 43:1,7	party 45:8,8	75:16	72:4 86:13,14
37:20 44:1	25:14 34:17	43:12 65:14	53:5,6,9	Peterson 72:18	pleased 78:23
52:10,14 53:7	45:15 50:6	67:16 68:21	pass 78:20	petroleum 24:8	plus 30:22 55:6
53:7 54:6 82:1	51:14,20	69:1,12 80:11	passed 12:10	32:14,15	58:3,6
operators 5:1	67:21 68:5,10	80:18 81:17	79:9	50:10,23	point 4:17
14:22 15:1	69:21,22 70:6	82:9,18	passes 88:14	54:14 57:4	12:12 14:4
23:17 25:11	owners-opera...	pages 5:25 8:17	passing 46:15	64:23 68:24	55:16 75:12
25:14 41:15	63:22	14:7 19:13	52:12,12	69:3,10,17,17	78:16
		23:22 43:13			

pointed 52:7	previously 7:23	6:8,11 7:8 8:5	61:17	71:24	77:13,13
policies 43:24	15:9 22:14	8:6,9 17:9	provide 14:22	question 4:11	86:14,16
Policy 3:21 10:6	63:12	34:18 45:12	14:25 23:17	7:1 10:21 13:6	rearrange 2:23
portion 7:18	price 49:19	45:16 46:4,10	25:12,15 64:2	24:24,24 27:5	rearranging
11:20 63:21	primacy 3:23	46:18 47:2,4	70:7	31:4 35:16	42:23
possible 50:13	4:19,20,22,24	49:23 62:9,11	provided 20:3	38:1 45:19	reason 16:24
post 63:19	4:25 5:7,7	62:18 72:1	63:20 70:4	46:13 75:20	17:2 18:18
posted 34:21	42:6,8 50:7	74:10 88:21	provides 40:4	75:22 77:7	85:22 86:2
practical 28:7	75:9,13 78:9	program's 5:3	59:25 70:8	82:8 83:2,16	reasonable 28:7
practice 10:19	primarily 42:7	programming	providing 57:1	83:20 84:11	reasons 40:22
practices 49:24	primary 21:17	73:9	74:24	questions 3:14	40:25
pre2015 9:3	28:17 34:2	programs 74:9	provision 31:8	12:8,20 13:15	receive 4:23
preamble 51:19	72:20 74:10	75:13	proviso 44:21	14:6 16:19	50:8 75:7,13
51:23 52:1	prime 74:13	prohibit 22:22	public 2:9,15	35:13 43:22	76:21
precedence	prior 4:7	23:1 40:14	34:20 35:3,9	75:19	received 13:19
51:25	priority 67:10	promulgated	35:12 37:8,11	quick 12:19	24:11 50:3
preceding 34:10	probably 13:8	63:2	50:4,5 54:23	71:11	54:8,13,21,22
predominantly	46:24 76:3	pronouncing	56:25 64:14	quickly 13:12	54:23 66:25
76:11	86:25	73:24	68:8 71:7,25	quite 50:8 57:13	recessed 71:21
prefer 83:12	problem 42:4	property 69:25	86:13,13	quote 44:17	89:5
86:1	48:19 86:21	propose 57:22	publication		recognize 74:18
prepared 21:11	problems 17:16	58:7 60:4	59:18,19,21	R	recommenda...
presence 82:2	procedure 62:5	61:19 63:11	60:2	R 2:1 90:1	21:19 27:24
present 15:15	procedures	proposed 55:9	publications	racks 74:6	reconvene
presented 56:5	34:14 38:16	55:15 62:20	6:13	rationale 77:12	71:23
presenting 3:4	proceed 71:25	72:1 75:8,18	pull 12:16 36:11	78:13	record 74:14,17
president 74:4	89:3	proposes 57:18	65:18	RCRA 59:21	79:8
presiding 1:17	proceedings 1:6	60:16,23	pulls 13:11	re-line 48:25	records 24:16
pressure 28:17	2:2 71:21 89:5	62:25 63:16	pumps 76:4	reached 70:3	51:15,16,17
pressurized	90:5	63:25	purpose 14:21	read 11:3 65:17	52:25 57:12
47:3	process 47:3	protection 4:25	15:5	78:25 79:4	Red- 40:14
pretty 12:13	74:22 75:15	11:24 19:10	Pursuant 1:11	81:24 87:15	red-tag 23:1
13:12 28:20	processing	22:18 27:7	put 8:8,18,19	readable 6:16	40:13,18
38:3 43:20	46:19	28:3,8,11 29:9	10:7,8,18 13:2	readily 8:20	redefine 56:7
prevent 11:12	produce 66:21	43:24 47:15	18:15 23:13	reading 28:21	68:15
11:25	66:22 79:10	47:23 53:22	36:16 37:11	38:2	redline/strike...
preventing	product 11:13	53:23 60:25	37:12 39:24	ready 12:24	80:12,14,15
11:20	23:12 28:18	61:2,3,6,9	41:25 56:21	66:23,24	reduce 5:25
prevention 9:23	28:19 66:8,12	69:4,6,8,9,11	putting 6:1	74:13	43:10 65:3
9:23 19:15	79:11	87:10,11	49:19	real 86:2	reduced 6:24
20:13 22:9,13	Professional	protects 28:11		realities 75:10	refer 13:7 33:16
prevents 17:21	90:3,12	62:19	Q	really 4:25	65:9
previous 25:25	program 3:16	proud 74:14,17	quality 1:23 3:8	16:10 28:19	reference 6:14
33:22 60:16	3:16,23 4:6,11	prove 28:24	6:11,22 7:8,9	43:21 53:9	13:14 14:17
67:14 76:22	4:19,21 5:2,14	39:4 59:23	37:3 47:7 89:3	65:2 72:23	60:19
			quarter 2:6	73:15 77:10	

referenced 8:22 14:16	9:14,22 10:5,9 16:13 19:17	70:1	reportable 55:7 55:8	31:15,15 35:19 36:25	64:23
references 6:14 14:10,13,15 19:7,16 21:8 24:20 32:8 34:15 42:23	20:1,12,16,22 21:12,14,20 22:10 23:14 24:1,3,4,18 32:8,13,22,24 33:8,11,22 34:7 39:23 41:16 43:4,5 51:20,25 53:2 53:14 57:9,15 58:5,9,13,16 58:22,25 59:14,16 60:10 63:24	relevant 9:2 32:23 relieved 73:2 remain 58:17 58:25 61:5,8 remediation 34:17 40:7 62:13,14 remember 17:23 reminding 88:5 remote 54:15,16 54:20 removal 47:17 59:18 remove 36:12 49:1 54:1 removed 9:1 15:14 16:9 31:8 32:23 33:15 36:22 54:4 58:13,22 59:5,6,7,11,13 59:17,21 60:3 60:9,14,20 67:17 68:21 68:25 81:22 82:3,6 removing 31:17 82:4 repaired 22:21 repairs 21:14 21:18 22:18 22:18,23,25 23:7 27:8,8,23 replace 49:2 replaced 10:11 23:7 52:20 53:22 65:14 67:9 replacement 18:24 52:17 report 30:13 62:23	reported 61:22 62:2,7 69:16 69:19 90:4 Reporter 25:13 51:5 57:20 82:24 84:4 90:4,12 reporting 6:20 6:21 29:21,23 34:14 57:16 61:21,23 62:5 62:10,21 69:15 represent 2:9 2:15,19 74:8 76:1,2 represents 2:11 requested 54:1 requests 75:18 require 11:24 22:12 38:19 51:1,11,20,24 61:21 63:8 64:1 required 19:10 22:13 26:13 34:9 35:3,4 37:3 38:19 47:21 51:12 51:22 52:8 54:2 55:4,10 56:5 57:7 59:22 60:7 63:19 67:19 70:2 requirement 9:8 10:4 20:8 20:19 39:7 49:9 63:3 64:4 requirements 10:10,11 14:24 21:7 23:21 24:2,9	68:5,9 requires 9:21 10:12 51:8 55:20 57:15 63:7 requiring 18:10 22:11,12 62:8 62:22 67:23 69:19 reservation 76:6 reservation's 76:8 resources 42:10 respond 88:7 responded 77:7 response 3:19 23:6 24:10 33:5 51:23 55:9 56:2 57:8 58:13,22 59:13,20 60:9 60:20 61:6,16 61:23 62:6,23 62:24 63:9,15 63:21 64:16 68:2 responsibilities 72:20 responsibility 6:23 14:23 15:1,4 44:11 44:13 53:8,10 63:14,23 64:5 69:24 70:4,7 responsible 23:19 44:2 rest 14:10 15:11 20:11 23:9,20 24:11,19 33:19 34:18 40:20 41:2,3	restoration 39:21 restrict 40:25 restricting 40:22 result 58:3 resulting 64:20 retail 46:1 retesting 52:11 52:12 retitled 60:25 review 41:18 63:3,3,4,7,10 reviewing 63:5 74:23,23 revise 56:2 revised 14:10 19:25 24:6 34:24 35:11 58:8,9 61:8,10 66:4,5 67:10 69:2 revising 34:13 rewritten 35:6 rewrote 35:7 right 7:20 8:17 12:3 13:1 14:7 19:14 25:9,9 28:22 35:12 36:10 48:19 62:14 66:13 67:2 79:22 80:24 81:20 84:8 road 12:21 Robert 54:24 robust 64:17 Ron 72:15 Room 1:14 routinely 28:19 rule 3:4,7,19,20 4:20 5:20 6:16 6:22 7:22 8:8 8:10,12,17,21
referring 29:19 81:4 refineries 37:9 47:4 74:6 reflect 19:12,25 20:5 32:22 42:13 reflected 53:19 53:24 reflecting 20:14 reflects 55:15 55:17 86:15 reformatted 6:5 reg 15:12 regard 49:8 regarding 24:8 24:15 56:2 68:2 69:10 72:1 75:8 regional 72:17 Regions 72:18 Registered 90:3 90:12 regulate 8:15 8:23 9:18 17:9 43:14 46:1 47:1 60:10 77:20 regulated 17:6 17:19 35:9 37:7,7 46:4,10 47:4 49:22,25 56:12,19 64:18 68:8 74:22 75:11 78:11 regulates 8:23 regulation 6:22	regulations 3:8 17:4 20:18 23:13 24:12 26:20 33:2,12 33:23 37:18 37:18 44:3 47:22 48:2 50:5 51:19 56:13 58:2 63:2,7,8,17 68:9 73:1,4,5 74:19 75:1,5 88:22 regulatory 72:21 73:8 76:11 reject 61:15 related 78:15 release 6:20 9:16,25 25:16 29:14,22,23 30:13,14 34:4 48:9,23,25 55:6 57:14,16 61:21 62:10 62:22 69:15 releases 49:4 55:8 61:22,24 62:1 69:16,18				

9:2,4,6,9,14	samples 83:5,8	42:19,19 56:2	21:1,6 55:1	six 8:16 43:14	specifications
10:7,8 11:4,5	83:13 84:1,12	56:23,23,24	session 4:8 6:11	60:10	21:12
12:8,24 13:1	84:17	57:6,11 58:18	set 48:18 50:25	size 26:25	spell 86:23 87:2
13:12,24	saying 39:11	59:1,3,5,6,8	63:5	skip 14:18	spelled 6:3 79:1
18:15,15,21	52:5 86:13	59:13,17,24	sets 76:22	16:18 43:6,7	85:20 87:10
20:5 22:1 26:5	says 27:22,23	60:1,4,6,6,8,9	seven 28:24	Skipped 9:10	spill 6:21 9:23
26:6 30:1,4	31:4 32:6	60:14,14,17	29:3,10,12	skipping 37:23	19:14 20:12
35:22 36:2	41:21 42:11	60:24,24 61:3	30:4 52:22	72:6	22:9,13 24:8
39:24 40:15	44:23 82:16	61:5,5,8,8,10	seven-day 29:6	slide 3:17 4:9	34:13 62:4
41:8,25 42:2,2	83:3 84:13	61:11,12,14	29:24	6:6 9:7 10:2	67:18,22
42:2,21 52:16	scattered 42:22	61:20,20 62:3	sheet 65:15	slides 3:10	spill's 62:16
52:18 53:19	scenario 41:24	62:4,21 63:1	71:18 72:3	slow 25:13 51:6	spillover 9:15
53:24 54:7	scenarios 31:24	63:17,21 64:1	short 38:3	57:21 82:24	spills 62:7
55:9,15,15,16	schedule 2:23	64:7 65:23	shorthand 90:5	small 45:20,21	spot 32:4
55:17,18,18	scope 63:13	67:15,25	shortly 2:11	46:7 59:9 76:5	stack 15:21,23
55:19 56:9,17	scoring 65:15	68:16,18,24	show 10:16	79:14	staff 7:4 41:18
56:24 57:10	se 41:16	69:1,7,12,14	showed 64:17	smaller 58:5	stake-type
59:25 61:18	seamless 7:19	69:21 81:15	shown 61:16	soil 40:3 66:8	53:21
61:19 63:13	season 54:18	see 12:17 17:23	shows 12:11	solicited 64:23	stakeholders
64:21 74:13	second 45:19	22:2 23:10,22	shut 28:1,22	solid 1:3,19 3:2	86:17
75:8,19 78:11	56:18 57:11	38:23,24	29:16,17	3:9 6:9,12 7:6	stamp 45:16
rule's 3:8	67:15 80:23	62:24 73:19	SHWD 6:8	7:9,12 14:8	stand 75:19
rulemaking	82:6 87:24	83:13 86:2	sic 20:17	49:8	standard 21:7
3:18 4:7 74:12	88:1	seen 49:14 77:6	side 13:6 77:21	solved 86:21	86:5,7
74:24	secondarily	88:21	sides 64:20	somebody 38:4	standardize
rules 3:8 4:1,1,2	18:11 48:11	self-certificati...	sign-in 71:18	56:8 72:4	62:7
4:3,5,19,21,24	secondary	61:15,17	72:3	79:18 83:6	standards 6:13
5:13 6:5,5,8	10:11 21:17	sell 37:8	signed 72:4	sorry 6:10 9:11	14:11 20:25
7:2 8:2,9,25	secondary's	selling 37:10	significant 75:1	16:1 19:17,21	39:21,25 40:6
16:15 19:4	28:18	sense 25:22	simplified 63:18	25:2 37:25	60:22
20:19 37:3,13	section 6:15	39:14 83:17	simplify 56:1	41:12 49:17	Stapleton 17:17
41:1 49:21	14:15,17 16:9	sensing 54:20	simply 63:18	51:5,7 57:20	17:22 18:1
56:3,5,20	16:9 18:8,13	59:2,4	single- 21:21	57:22 70:11	start 2:7
60:13 64:1,11	18:22 20:3,4,8	sensitive 67:13	single-wall	70:12 80:20	starting 18:8
72:1 76:18	20:20 21:7	sensor 52:17	21:24,25	83:1 86:3	23:15 24:6
78:6	22:3,10 26:1	sensors 32:16	48:24 49:1	sort 11:3 52:19	25:6 32:12,13
run 41:5,9	29:4,21 30:4,7	52:19 81:23	55:13	source 45:13	32:22 33:10
running 17:13	30:13 31:6,13	82:1	sir 17:2 31:20	spatially 83:7	34:24 35:24
27:15	31:14 32:6	sent 50:24 66:3	sit 31:7 36:3,4	85:4	37:5 40:24
	33:14 34:25	66:5	36:21	speak 71:9 72:8	42:17
S	35:6,9,10,13	sentence 21:9	site 35:2,5	76:18	starts 33:4 81:1
S 2:1	37:16,23 38:3	82:13	sites 27:1 45:13	specific 72:23	81:4,18 82:13
sacrificial 53:21	38:8,12 39:23	September	45:14	specifically 17:6	85:16
sample 83:9,14	40:4,22 41:14	40:16,20	situation 78:5	30:7 46:17	state 4:6 8:5,16
84:14,20,21	41:16 42:12	service 20:23	86:25	72:25	21:25 39:25
84:23					

44:15 45:3,11 45:12,17,25 56:6,13 59:19 60:3 61:7 62:19 63:21 63:23 69:23 70:5,8,14,23 73:3,8 74:8 75:2,10,13 76:1,11,11 77:23 State's 44:19 stated 6:7 51:19 63:24 statement 48:14 56:10,22 57:1 states 42:6,6,8 52:1 58:5 72:16 station 9:19 12:17,18 36:14,20 47:1 station's 36:15 stations 9:18 status 36:13,16 statute 4:6 7:7 9:1 14:10 15:3 16:17 18:14 18:19,23 19:4 19:11,12,12 32:18,20,24 33:10 35:23 35:25 37:12 37:12 39:24 42:11,11,13 44:22 45:25 46:18,19 56:6 56:8,13,17 63:16 68:7,11 68:15 statutes 74:24 stay 31:10 36:12 57:10 59:16 staying 31:10	steel 11:9 60:19 60:21 steel-lined 11:19 step 74:22 STI 60:19,19 stop 13:15 14:6 20:10 27:3 35:2,3 stopped 35:2 storage 4:5,12 4:12,19 6:8,23 8:24 14:8,22 14:25 34:18 37:6 43:8 45:21 46:1,2,2 46:3 49:9 52:9 54:18 56:19 59:3,4 63:2 68:6,11 72:1 73:9 74:9,9,18 stored 11:13 23:12 59:23 stores 74:7,8 75:25 story 76:8 STP 1:20,21,22 61:17 74:15 74:21 75:4,10 streaming 74:6 stringent 4:2 55:19 58:16 61:18 strong 48:15 struck 38:4 stuff 12:17 style 5:18,19,21 6:4 78:23 stylistic 24:24 subject 25:1,4 submit 38:21 39:9,12 52:23 53:16 submittal 24:15 54:2	submitted 65:8 subsection 25:8 substance 8:15 8:16 33:14 59:22,23,24 59:25 60:1,11 60:13 substances 8:19 33:18 43:15 substandard 20:21,24 substantial 67:17,20 78:15 substantive 13:17 77:16 77:17 78:12 substations 46:14 sue 45:8 sufficiently 73:11 86:21 suggestions 75:7 summary 7:21 7:21 9:14 summer 54:19 sump 9:24 12:22 24:9 32:16 52:17 52:19 53:16 53:18 81:25 sumps 22:9,13 53:14 supervisor 1:21 1:22 3:13 supply 45:22 sure 11:13 21:20 22:24 26:19,19 30:23 31:18 32:2 34:4 37:20 48:6 51:1,3,10 62:11,14,16	64:13 72:11 surely 46:14 suspected 29:22 29:23 30:12 30:14 61:21 61:22,24 69:14,18 switch 10:15 system 10:17 14:22,25 17:5 22:18 27:7,10 27:10 28:3 31:16 34:2 48:11,12 49:7 49:13 53:8 62:13,15 systems 7:25 15:8 17:12,19 18:6 25:12,15 26:9 33:14 37:6 43:3 48:18 55:5,7 55:12 60:7,8 60:25 61:2,2,3 61:6,9 68:6,7 68:11	37:3 62:16 78:10 84:12 takes 26:5,23 28:13 36:24 51:25 talk 3:7 12:20 12:23 13:2,16 13:18 42:20 talked 23:11 25:24 43:13 52:18 57:12 talking 9:16 12:7,9,15 27:6 27:16 37:9,9 42:21 83:9 84:14 85:3 tank 4:6,19 6:8 8:24 10:17,18 11:10,13,14 11:18,19,21 12:6,19 14:22 14:25 20:10 21:5,18,22,22 21:24 22:23 23:1 27:10,17 27:20,23,24 27:25 28:14 28:18 29:14 31:4,5,6,16 34:17,18 36:15,21 37:6 40:16,17,17 41:15 45:7,9 45:10,15 46:3 46:5,9 47:22 48:8,8,9,10,20 49:6 50:6 51:21,24 52:1 54:15,17 55:3 55:13,14,14 59:8,14,15,16 59:25 60:11 60:13,19,21 62:9,11,18 63:2 67:20,23	68:6,7,11,13 72:1 73:5 74:9 74:19 tanker 17:15 tanks 4:12 6:24 7:24,25 8:1,2 8:4,6,6,8,10 8:15,16 9:16 9:17,18,19 10:12,25 11:10,17,25 12:2 14:8 15:2 15:9,13 16:23 17:12 18:11 18:25 19:9 20:21 21:3,22 21:25 23:12 28:17 30:23 35:16 36:1,2 36:18 37:9,11 37:14 43:2,5,8 43:14,15 44:8 46:1,2,2,11,14 47:20 48:4,24 49:1,2,3,9,22 52:9 54:19 55:11,13,23 56:12,19 57:13 59:3,4,7 59:10,10,11 59:12 60:1,9 60:11,14,18 60:20 63:13 63:15 64:2 68:25 70:6,14 70:17 73:9 74:9 Tara 73:25 technical 3:13 10:20 12:13 57:24 79:25 technologies 38:9,15 technology 8:3 17:7,8 38:5,6
---	---	--	--	--	--

T

T 90:1,1 tab 65:23 table 14:3 32:21 65:13,14,15 66:4,6,10 67:9 70:10 79:9,9 82:16 tag 40:14 take 19:3 26:22 26:24 29:9 39:12 42:12 52:13 56:1 64:14,20 71:11,13 72:10 79:14 83:7 84:3 taken 2:5 20:20 21:4 33:2 37:2

38:18,20 39:3	77:12,24 78:2	54:11 64:3	total 17:5 70:3	underground	62:8 67:11
39:4 49:4,6	80:6 82:3	Thompson 1:23	touched 4:18	4:5,12 6:23	69:11 85:20
54:16,16	86:17,18,19	9:11 10:3 16:1	training 9:8	8:24 12:16	85:21
tell 35:15	87:13,18,25	25:5 66:1	10:5	14:22 17:5,18	users 74:10
telling 40:6	88:5,19,24	76:25	transcript 1:6	17:23 43:8	uses 5:21
temporally 83:6	theirs 5:4	thorough 56:25	90:6	45:25 46:1,2,9	UST 25:12,15
temporarily	thing 5:24 7:15	67:12 77:10	transfer 20:9,10	46:11 47:20	33:14 37:18
35:25 36:13	12:13 13:9,14	77:13	transit 2:10	52:8 68:10	37:19 55:10
36:16 54:15	29:9 35:8	thoroughly	Travis 55:25	73:9	USTs 20:23
ten 49:5,6	40:10 43:22	67:13	trend 57:19	understand	55:21 69:22
term 61:1,4	47:17 63:8	thoroughness	tried 37:17	31:23 47:13	70:2
69:11	things 5:17,23	77:6	39:22 42:19	56:3 75:16	utilize 55:3
terms 77:6	5:24 12:6,7	thought 40:17	68:1 82:5	83:15 84:5	
test 23:18 28:24	14:20 22:6	41:8 87:16	truck 27:3	understanding	<hr/> V <hr/>
34:3 37:19,20	24:6,13 32:10	thousand-gall...	true 29:15	56:16 77:11	v 21:13 59:3
41:6,9,20,22	33:21 39:16	46:11	48:17 90:6	unduly 62:18	vac 49:11
52:2,3,6 58:3	40:9 42:16	three 27:3	try 40:8 56:15	unfortunately	vapor 58:10,12
tested 20:13	45:23 46:14	40:17,24 83:4	68:3,15	65:9	58:14,15,17
tester 22:3	56:7 78:8	83:7,9,13,14	trying 39:16	UNIDENTIF...	67:12
53:23 87:4	86:22 87:3	83:25 84:13	78:9 79:19	54:25 73:21	verbatim 8:13
testers 41:15	think 7:15 9:17	84:17	turbo 74:6	United 72:16	43:3,7
42:15 57:4	9:17 12:15	three-state 73:7	turn 3:3	units 6:3 79:2,2	verify 29:13
70:5	25:5 35:8	three-year	turned 36:20	universe 9:19	version 13:2
Testers' 69:3,10	36:20 42:18	26:12	two 26:25 28:3	unquote 44:17	65:10,11,14
69:18	44:4,10 46:8	throughput	31:24 57:13	update 4:1 14:3	67:14,16
testifying 74:11	47:6 48:8 49:4	44:5 54:3 55:6	57:16,18	16:15	68:17,21 69:2
testing 9:23,24	49:5 50:17	58:3,4,6 68:22	58:14 83:24	updated 6:13	69:13 79:12
9:25 22:2,8,12	56:10 62:18	tie 30:19	84:11,12 85:5	6:20 10:19	80:8
24:10 38:3,5	62:19 64:12	time 6:4 27:7,10	86:22 87:3	14:10 19:18	vice 74:4
52:11,12	64:16,19,24	27:14 28:7	two-year 26:14	21:8 34:15	visible 20:9
53:14,16	65:18 70:24	30:1 52:24	type 9:21 10:16	39:22 42:13	voluntary 34:17
tests 41:5 53:18	71:4 73:23	56:1,16 59:10	30:9 37:11,14	42:23	voting 2:25
thank 2:20 3:5	74:13 77:7,10	63:1,4 72:24	types 8:10 10:1		
4:15 5:15 7:14	77:20,22,24	74:13 79:2,2	18:6	updates 13:14	<hr/> W <hr/>
12:4 16:6 18:4	78:12,16 79:5	83:8 84:4,12	typically 52:4	updating 14:13	wait 2:24 15:17
18:7 19:5,22	81:4 83:19	timely 73:11		19:7,8,16	15:18
25:20 31:21	84:18 85:1,21	74:17	<hr/> U <hr/>	24:19 32:8	walk-through
31:22,24	86:15,23	times 62:9	U.S 72:9	35:21 74:23	9:22 53:4,5
35:17 39:18	third 45:7,8	74:17	Uh-huh 19:23	upfront 65:2	wall 21:17 34:2
41:12 47:9	46:12 51:18	timing 71:6	27:21 28:12	upper 85:21	34:3
49:15,20 55:2	53:5,6,9 69:25	title 61:9 65:17	28:15 47:8	86:1,3,6	walled 21:22
64:8 65:1,6	81:10,22	today 2:8,22	50:22 75:23	use 5:18 6:21	48:5
67:8 73:15,17	third-party	13:4 64:21	81:20	20:21 36:1,13	walls 27:17
74:2 76:13,14	44:15 45:13	73:21 76:18	under- 20:17,17	36:16 53:3	want 5:17 12:6
76:15,20,25	45:17,17 53:3	top 23:15 81:17	under-dispen...	54:15,16,20	12:13 14:1
		topic 52:17	51:1,8	57:18 59:10	22:24 25:24

38:18 39:4	48:18 56:9	website 34:21	worth 44:5,7,13	81:16 85:7,10	111 37:24 39:20
42:21 50:11	61:17 62:7	welcome 16:7	wouldn't 5:9		1185 20:16
51:13 53:3	79:4,20 86:5,7	25:21 32:1	39:10	Z	1191 20:20
55:16 56:7	ways 41:17	35:18 39:19	WPA 74:13		1193 21:4
62:11 64:18	47:14	47:10 49:16	WPMA 75:18	0	1196 21:2,5
67:21,22	WDEQ 7:18	64:9 87:14	wrap 79:17		12 34:9,9 36:1
68:15 77:4	we'll 12:7 13:16	well-reasoned	write 33:16	1	36:19 60:4
79:8 85:5 87:2	14:1,7 20:3	75:5	writing 5:20	1 1:21 3:10 6:7	12(a) 59:24
87:2	43:17 44:22	wells 83:10,15	written 7:24	14:5,8 15:5	12(c) 59:17
wanted 17:8	64:14 71:17	went 52:25	20:5 35:10	40:18 55:6	12(c)(v) 61:11
21:20 31:18	71:19 76:23	weren't 21:21	42:3,5 56:10	58:3,6 63:19	61:14
31:23 39:12	77:1 78:18	78:14	68:1	63:19 64:6	12:45 89:1
50:25 51:3,10	79:16 89:1,2	whatever's	wrong 38:12	70:2,4,8 72:2	123 19:14
51:16 52:22	we're 3:7 6:8	50:18	WWAB 75:18	1-10 69:1	1268 21:9
53:1 55:20	7:22 8:17,19	whatnot 29:1	Wyoming 1:1	1-13 67:16	1269 21:9
68:22 77:12	9:16 12:9,14	whichever 58:4	1:15,15 3:23	1-23 19:14	1271 21:13
78:4	12:24 13:2,24	willing 53:6	4:25 5:5,6,10	1-40 23:23	1278 21:9
Warren 72:25	14:2,13,14,21	Willow 1:14	8:5 18:6 50:6	1-44 80:18,20	129 40:11
73:6	14:24 16:2,3	window 29:6,24	54:13 55:25	1-45 68:21	13 2:3 24:25
wash 36:21	20:7 22:6 28:6	winter 54:18	58:12,21 60:7	1-48 80:11,20	25:16 42:19
wasn't 9:5	32:5,5,6,16	wishes 39:2	64:22 68:2,18	81:3,17	89:6
22:13 33:21	33:15 35:1,14	wonder 47:19	73:3 74:1,4	1-7 68:17	13(g)(x) 54:2
37:22 41:16	37:8,9 39:16	86:22	75:9	1-8 68:17	130 40:12 55:6
67:13	40:6 41:19,20	wonderful	Wyoming's	1-87 82:18	57:25 58:3,6
waste 1:1,3,15	41:20,22	79:13	74:19	1-88 82:9	131 40:21 41:2
1:19 2:6 3:3,9	43:15 52:4	wondering 26:1		1-9 85:16,17	41:10
6:9,12 7:6,9	71:25 74:5,10	48:1 83:5	X	1,000 46:6	133 41:3
7:13 14:9	74:17 76:10	word 28:9		1.7 26:17	1330 21:15
47:17 49:7,8	79:14 81:15	61:25 67:18	Y	1.8 26:17	1333 27:16
60:9 71:24	81:15 82:9	69:14	yeah 11:5,11,22	10 6:3 7:12	134 41:11,12
water 1:1,15,23	84:13	words 6:1,17	14:19 17:22	10:13 17:4	1342 22:2
2:6 3:7 6:11	we've 6:13,19	work 7:3 39:16	18:16 19:14	79:1	136 42:17
6:22 7:8,9	6:20 7:6,11,22	40:5 57:2 65:2	39:15,17	10:50 71:22	13th 1:12
37:3 47:7	8:11,14 14:21	76:9 79:6	49:14 65:20	100 64:2	14 23:23 32:6
53:13 71:24	20:20 22:4,17	86:16,16	66:22,25 67:4	101 44:8 69:22	142 42:24
89:3	22:17 23:16	worked 52:18	79:21 81:9	70:17	143 43:1
way 2:10 6:2	24:6,14,21	64:22 75:4	82:19 84:7	1039 19:21,24	1455 22:8
7:11 8:4 14:12	28:9 32:3 34:1	working 7:6,11	87:8	1045 19:24	149 43:7
16:18 17:15	34:1,7,15,20	50:9 73:4 78:5	year 3:25 15:3	1064 20:7	15 59:8,15 89:1
20:15 21:15	34:24,24 37:2	78:11 79:7	26:17 34:10	1084 20:11,11	15,000 44:5
22:15 24:4	37:3,17,20	works 28:11	36:13 42:11	11 60:24 61:3,8	16 30:7 59:5,6
28:10 33:25	40:21 42:23	85:12	49:6	61:10	68:20 77:4
35:10 36:24	47:16,23 49:4	worksheet	years 7:12	11:05 71:22	16(a)(vii)(B)
37:23 40:23	50:4,7,9 52:7	67:10	50:10 77:4,5	11:30 88:24	57:11
41:21,22 42:4	62:17 68:1,1	worry 12:1	78:7	89:6	16(c) 53:1 58:18
			Yep 36:11	1100 46:6,8,10	

16(c)(i)(D) 57:6	2008 19:11 60:7	280.40 24:19	4(c) 56:23 68:16	6(h) 68:18	97 25:3 37:1
16(d) 58:8	2015 3:20 50:5	280.43 33:8	68:19	60 33:9 37:19	98 37:5
16(i) 59:1	50:6	57:9	4(d) 68:19	37:20	
160 65:14	2017 1:13 2:3	280.43(a) 58:5	40 23:25 58:8	6008 42:24	
161 43:12	4:8 9:1 33:5	280.43(b) 59:14	61:12	61 33:12	
1621 22:17	35:25 50:24	280.43(e) 58:13	4093 37:2 38:4	62 33:13	
1622 27:6	89:6	280.43(f) 58:22	41 24:2	63 33:13	
1627 59:18	20171207cha...	280.50(c)(iii)	43 24:6,12	65 33:20	
1637 23:5	66:2	57:15	44 24:13 80:19	66 33:24	
1643 23:10	2018 24:25	280.67 35:4	46 24:17 32:7	68 34:1	
17 3:8 51:22	25:17 90:7	280.70 35:20	47 32:9	69 34:6 68:20	
57:4 60:1,4,6	2068 24:22	280.93 63:24	48 24:21 32:9		
60:6,9 77:5	2074 81:4	2819 33:20	32:10	<hr/>	
1704 23:16	208.20(f) 20:16	287 31:4	49 32:9,10	720:20 72:18	
1792 23:24	208.42 60:10	2939 34:1	69:12	70 34:8	
18 50:24	2090 80:24	2nd 90:7	4th 13:19,20	71 34:12	
1850 24:4	20th 19:10		52:21	72 34:13	
19 6:22 15:4,6	21 19:8	<hr/>		73 34:14	
16:18 18:9	2168 32:12	3	<hr/>	74 34:14	
29:4,21 30:4	2173 32:11,13	30 8:17 19:11	5	75 34:14	
30:13 43:9	2181 32:17	22:19 27:8	5 61:8 67:15	76 34:15	
61:20 69:12	22 62:4	43:13	5(x) 69:1	77 34:15	
69:14	2200 1:14	30,000 44:17	50 32:11	78 34:16	
1904 24:7	2241 32:23	45:11	500,000 44:5	79 34:20	
1960 24:14	2312 33:1	30,001 45:11	51 32:20,21,21		
1983 25:7	2383 33:4	3008 34:7	52 32:25	<hr/>	
1988 3:21 4:6	2398 33:7	3010 34:8	53 33:1 63:17	8	
7:24 9:14	24 20:6	30th 65:9	63:21 64:1,7	8 14:18,20 69:6	
1990 44:10	25 27:2 62:21	31 22:5 31:6,13	53(i) 64:7 69:21	72:18	
1997 24:18,18	250 67:21	32 22:6	69:22	80 34:23	
24:24 25:3,7	2594 33:10	33(a) 38:13,14	54 33:1,1	800,000 3:24	
	2597 33:9	3380 34:16	5494 40:12	4:11	
<hr/>	26 20:16 33:11	3439 34:20	55 33:4	81 34:23	
2	2610 33:11	35 22:15 63:1	5537 40:25	82 34:24	
2 6:15 14:15,17	27 21:2	3507 34:24	5548 40:23	88 82:11	
44:9 64:2,5	2715 33:14	355-plus 74:8	56 33:7	<hr/>	
65:13,14 66:4	280 58:8 61:12	36 22:17 59:3	5624 41:3	9	
66:6,10 67:9	280.20 18:10	37 22:15 23:5	5729 42:18	9 16:4,5,8	
70:3,7,10 79:9	280.20(c) 19:17	23:10		9:04 1:13 2:3	
79:9	280.20(c)(iii)	3863 35:15	<hr/>	90 22:23 27:9,9	
20 18:10 19:7	20:12	39 23:15	6	90-day 29:9	
20:12 26:24	280.250 43:4	3928 35:24	6 16:10 18:9	92 35:15	
20-2 19:17	280.252 43:4		20:4 21:7	93 35:23	
2005 3:22 10:6	280.35 22:11		56:24	931 19:9	
2006 7:7	280.36 24:1		6(a)(iii)(C)	94 37:12	
2007 11:17,23			60:17	95 37:12	
18:24 42:3			6(c)(ii) 20:3	96 37:12	
			6(c)(iii) 20:3		
		<hr/>			
		4			
		4 56:2,23 67:25			