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NUCLEAR REGULATORY COMMISSION

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Decommissioning Activities Report
Public Meeting

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UNITED STATES OF AMERICA

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NUCLEAR REGULATORY COMMISSION

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OFFICE OF NUCLEAR REACTOR REGULATION

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VERMONT YANKEE POST-SHUTDOWN DECOMMISSIONING

ACTIVITIES REPORT PUBLIC MEETING

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THURSDAY,

FEBRUARY 19, 2015

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BRATTLEBORO, VERMONT

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The meeting convened in the Quality Inn,
1380 Putney Road, at 6:00 p.m.

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PRESENT:

CHIP CAMERON, Facilitator

JOE LYNCH, Entergy

BRUCE WATSON, Chief, NMSS

DREW PERSINKO, Deputy Director, NMSS

DOUG BROADDUS, Chief, NRR

MARC FERDAS, Chief, DNMS

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P R O C E E D I N G S

6:00 p.m.

1
2
3 MR. CAMERON: Good evening, everyone. I
4 want to welcome you to the public meeting tonight, and
5 my name is Chip Cameron, and --

6 MR. SACHS: Is there a reason why we don't
7 get a public hearing here?

8 MR. CAMERON: We're going to answer that
9 question, the difference between a public hearing and
10 a public meeting. We will provide that answer for you,
11 because I know that people are interested in that.

12 For your information, we're taking a
13 transcript of the meeting, and that will be your record
14 of what transpired here tonight, and the NRC's record.

15 Just give us a couple of minutes to figure
16 this out, because we want to make sure that all of this
17 is on the transcript, although I'm not sure it's
18 important for me to be on there. Okay, it's not
19 working.

20 You know what? I think I'm just going to
21 go ahead, because I'm not sure that it's critical for
22 me to be on the transcript.

23 Okay, and then hopefully it will be fixed
24 by then, but I just want to welcome you all. The
25 subject tonight is NRC Nuclear Regulatory Commission

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1 process for the decommissioning of Vermont Yankee, and
2 specifically the NRC and our speaker from Entergy, Joe
3 Lynch, are going to talk about something called the
4 post-shutdown decommissioning activities report.

5 We're going to try to keep the -- we're
6 going to try to keep the acronyms to a minimum, but one
7 that you will hear tonight is PSDAR, okay.

8 We're going to start out with some brief
9 NRC presentations to give you an overview of the
10 decommissioning process, and we also have, as I
11 mentioned, Joe Lynch here from Entergy, who is going
12 to talk about Entergy's PSDAR that they prepared, and
13 then we're going to go out to you for questions,
14 concerns and recommendations.

15 My role as the facilitator is to try to help
16 you all have a productive meeting tonight, and I wanted
17 to spend just a couple of minutes on meeting process
18 issues, so that you know what to expect tonight.

19 The objectives of the meeting, first of
20 all, the first objective is to give you clear
21 information on the NRC oversight process and on
22 Entergy's PSDAR.

23 Second objective is to answer your
24 questions and to listen to your concerns and your
25 recommendations.

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1 In terms of format, as I mentioned -- and
2 you're probably going to -- Gary and I usually do a duet,
3 okay, throughout the meeting, and so, you're probably
4 -- you're probably going to hear Gary and --

5 MR. SACHS: Clean it up now. Don't give it
6 to our grandchildren.

7 MR. CAMERON: Gary, we're going to ask
8 Gary to try to be courteous throughout the meeting, but
9 you may have of something from that corner.

10 But anyway, format, we're going to have
11 some NRC speakers, Entergy, and then we're going to go
12 on to you, but I'm going to ask you -- ask for your
13 patience. I want to get all the information out to
14 you, before we go to you for questions.

15 So, I would just ask you to please hold your
16 questions and comments, until after all of the speakers
17 are done and --

18 MR. SACHS: That's a dumb way to do it,
19 Chip. That's a dumb way to do it. I'm not going to
20 go back and say the guy 40 minutes ago said --

21 MR. CAMERON: Well, Gary, Gary, I'm asking
22 you to do that, okay?

23 MR. SACHS: I know, my bullshit-o-meter
24 works, does yours?

25 MR. CAMERON: So, the duet. At any rate

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1 --

2 MR. SACHS: Chip is here to present my
3 personal --

4 MR. CAMERON: I'm going to ask you to
5 follow some ground rules tonight. The first one is to
6 wait until all of the presentations are done, before
7 we go out to you for questions.

8 Second one is, I would ask you to be brief
9 in your questions or comments. I'm not going to set
10 a time limit, but a few minutes, and I have a list of
11 all the people who signed up to speak and ask a question.
12 You can come down here to talk to the NRC staff, or if
13 you want, I'll bring you the cordless microphone to you
14 in the audience, and if you could just stand up and
15 introduce yourself to us and ask your question or make
16 your comment.

17 In terms of the ground rule about being
18 brief, I'm also asking the NRC staff and Entergy to also
19 try to be brief and concise, in answering any questions,
20 so that we give more time to all of you out there, and
21 I'm going to go to everybody once, before we go back
22 to anybody for a second round of comments and questions.

23 We're scheduled to go until nine o'clock
24 tonight, and if we need to, to get to our remaining
25 people, we'll go over for a little bit.

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1 The NRC is also asking you to submit
2 written comments on the PSDAR, and they'll explain
3 that, but if you want to come up and give a short summary
4 of your comments for the record tonight, that's fine
5 to do that, and we have Pete Holland here, who is our
6 Court Reporter, and he's going to be taking the
7 transcript, and I would ask you, because we're talking
8 a transcript, and because we want to pay attention to
9 whomever has the floor at the moment, I would ask that
10 only one person speak at a time.

11 Finally, I would just ask for all of us to
12 extend courtesy to everybody else in the meeting room.
13 You may hear opinions that differ from yourselves, your
14 opinions, but just please respect the person who is
15 giving that, and in a minute, I'm going to introduce
16 Drew Persinko and ask him to introduce the rest of the
17 panel.

18 But first of all, before we go to that, I
19 wanted to introduce representatives of two elected
20 officials, and one is -- one is Haley Perro from Senator
21 Sander's office, and Tom Berry, who is here from Senator
22 Leahy's office, and I would also ask, is there any other
23 elected officials here, who just want to stand up and
24 introduce themselves, before we go on?

25 Okay, okay, go ahead.

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1 MS. O'CONNOR: I'm Kate O'Connor and I'm
2 the Chair of the Vermont Nuclear Decommissioning
3 Citizen's Advisory Panel.

4 MR. CAMERON: Thank you very much, Kate.
5 Any other elected officials?

6 Okay, let me get to you, sir. So, this
7 way, you'll know who is here.

8 MR. TUSINSK: My name is Peter Tusinsk.
9 I'm on the Planning Board with the town of Leyden, well
10 within the ten mile radius.

11 MR. CAMERON: Okay.

12 MR. WARD: John Ward, Gill Select Board,
13 Gill, Massachusetts.

14 MR. CAMERON: Gill, Massachusetts.
15 Thank you.

16 All right, well, we're going to go to our
17 Panel, and they're going to complete their
18 presentations, and then we're going to go out to you
19 for the rest of the evening, and this is Drew Persinko,
20 Deputy Director of the Division of Decommissioning, and
21 I'm going to let you go with full title, NRC Office of
22 Nuclear Material, Safety and Safeguards.

23 So, Drew, I'll turn it over to you now.
24 Pete, do we have transcript -- do you have us? Okay,
25 good.

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1 MR. PERSINKO: Good evening. Can you all
2 hear me?

3 Okay, I too, want to welcome everybody to
4 our meeting tonight. My name is Drew Persinko. I'm
5 the Deputy Director in the Division of Decommissioning,
6 Uranium Recovery and Waste Programs within the NRC.

7 The purpose tonight, as Chip said, is to
8 discuss the Vermont Yankee post-shutdown
9 decommissioning activities report, which we're all
10 going to refer to as PSDAR, which was submitted to the
11 NRC by Entergy in December, and we're going to be
12 listening to your comments tonight.

13 The PSDAR, the purpose of the PSDAR is to
14 provide a general overview for the public and the NRC,
15 of the licensee's proposed decommissioning activities.
16 This meeting is required by NRC regulations.

17 We originally were going to have this
18 meeting in late January, but we were asked by the
19 Citizen's Advisory Panel to postpone it, which we did.

20 As Chip said, we're going to have a few
21 brief presentations about the PSDAR and our
22 decommissioning program, and then Chip will facilitate
23 comments from you all.

24 The meeting is being transcribed. There
25 are feedback forms in the room here, and we plan to

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1 adjourn around nine o'clock.

2 So, okay, our agenda this evening is that
3 I'm going to give a few introductory remarks. Bruce
4 Watson, to my left, will speak about the requirements
5 of the PSDAR. Doug Broaddus on my right, will speak
6 about the NRC's review of the PSDAR and the licensing
7 status of Vermont Yankee.

8 To his right is Marc Ferdas. Marc is in
9 our Region I office, and Marc will talk about inspection
10 programs at NRC and in Region I and at Vermont Yankee.

11 To my left is Joe Lynch from Entergy. Joe
12 will be speaking about the contents of the Vermont
13 Yankee PSDAR, and as we said, then Chip will facilitate
14 a public comment session and then we'll close the
15 meeting at approximately nine o'clock.

16 So, let me begin with a short introduction.

17 It really starts with NRC's mission. It's
18 all about the mission, and the mission is that NRC
19 licenses and regulates the nation's civilian use of
20 radioactive materials, to protect public health and
21 safety, promote the common defense of security and
22 protect the environment.

23 This was our mission during operation of
24 the facility. It remains our mission during
25 decommissioning, and the decommissioning will be

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1 carried out according to our regulations.

2 One of the decommissioning regulations is
3 in Part 20. CFR stands for Code of Federal
4 Regulations. The 10 CFR Part 20, and in 10 CFR Part
5 20 is the definition of decommissioning, and the
6 definition is, "To remove facilities safely from
7 service and reduce radioactivity to a level that
8 permits either unrestricted release or restricted
9 release."

10 No nuclear power reactor, or any other
11 nuclear site in the U.S. for that matter, has pursued
12 restricted release and all have pursued what's known
13 as unrestricted release.

14 So, the release --

15 MR. SACHS: Are any of them habitable
16 today?

17 MR. PERSINKO: So, the release criteria is
18 as follows. For unrestricted --

19 MR. SACHS: Are any of those habitable
20 today, sir?

21 MR. PERSINKO: For unrestricted release
22 --

23 MR. CAMERON: Gary, Gary, just hold your
24 questions, please.

25 MR. SACHS: It's an honest question. Are

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1 any of those --

2 MR. CAMERON: It isn't --

3 MR. SACHS: -- sites habitable today, sir?

4 MR. CAMERON: We know it's an honest
5 question. We want to get this --

6 MR. SACHS: Answer it.

7 MR. CAMERON: We want to get this --

8 MR. SACHS: Please.

9 MR. CAMERON: We will answer it, okay.

10 MR. SACHS: Why wait 30 minutes to get an
11 answer to the question, of whether or not those
12 decommissioned sites are habitable by the general
13 public today.

14 MR. CAMERON: Gary?

15 MR. SACHS: Are they?

16 MR. CAMERON: Gary, I'm going to have to
17 ask you --

18 MR. SACHS: That's yes or no, sir.

19 MR. CAMERON: -- to just --

20 MR. SACHS: Sir.

21 MR. CAMERON: -- to just -- until -- let
22 him get -- let all these people get through their
23 presentations. So, go ahead.

24 MR. PERSINKO: For unrestricted release,
25 the requirements are that the dose be less than or equal

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1 to 25 millirem to the average member of the critical
2 group, and considers all pathways for receiving the
3 dose and for a period of performance of 1,000 years.

4 I'm not going to through the unrestricted
5 -- through the restricted release criteria, because
6 that's not what's being pursued by Vermont Yankee.

7 For unrestricted release, I mentioned the
8 criteria being 25 millirem.

9 Well, just to put that in a little
10 perspective here, a millirem is a unit of dose on human
11 beings. Although the criteria says that it's 25
12 millirem, past history has shown by other power
13 reactors that have decommissioned, they have actually
14 decommissioned down to the order of a few millirem, on
15 the order of two, three, four, five millirems.

16 So, although our criteria says less than
17 or equal to 25 millirem, the fact is that all -- for
18 the other power reactors that have completed
19 decommissioning, have completed it to a much less --
20 to much lower levels.

21 For comparison, what's a millirem? I want
22 to -- just for comparison.

23 You take a ride across the country in an
24 airplane, you get about three millirems flying across
25 the country. You get a chest x-ray, you get about 10

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1 millirems, and in a normal course of background, just
2 your normal course of business, in a year you get about
3 300 to 600 millirems. So, that's just for perspective,
4 when we talk about what is a millirem.

5 Okay, this slide, it's a very important
6 slide, I believe. It shows the roles and the
7 activities of the licensee on the left, the NRC in the
8 middle and the public on the right, and so, the process
9 -- and it shows the decommissioning process in a flow
10 chart form.

11 So, on the left you see, there is initial
12 notification and fuel removal.

13 So, the initial process starts off with a
14 certification of cessation of operations by the
15 licensee, Entergy, and then a certification of fuel
16 removal from the reactor, which has been done.

17 The next is the submittal of the PSDAR.
18 You see there, it says 'decommissioning report' on the
19 left. That's the PSDAR.

20 So, it's submittal of the PSDAR and a
21 public meeting, and you can see in the middle column,
22 the NRC role, its review of the PSDAR and public
23 meeting.

24 So, where we are right now on this flow
25 chart is in the middle column where it says 'public

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1 meeting'. That's where we are in the decommissioning
2 process right now.

3 I want to note that the NRC does not approve
4 the PSDAR, but we do review it to ensure that our
5 regulations are being met, and Bruce and Doug will speak
6 more about that, when they speak.

7 If you go down the left-hand side some
8 more, you'll see the next -- after 90 days, the -- we
9 wait, by regulation, we're to wait 90 days and after
10 90 days, if we don't -- if we do not comment on it or
11 after 90 days is up, the licensee can begin major
12 decommissioning, during which time the NRC will be
13 doing inspections. The NRC will be performing
14 inspections during decommissioning.

15 About two years out before the license
16 termination, another plan is submitted to the NRC.
17 It's called the License Termination Plan, and we often
18 refer to that as the LTP.

19 It's submitted to NRC and it describes the
20 remaining decommissioning activities, the plans for
21 performing radiation surveys of the site, and it
22 provides a site-specific -- an updated site-specific
23 cost estimate.

24 The NRC does review and approve the -- we
25 do review and approve the LTP, if it's acceptable.

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1 Approval of the license termination plan is a licensing
2 action, and thus, there is an opportunity for a hearing
3 at that point.

4 At this point, let me just clarify a bit
5 here.

6 You know, I've been to a couple meetings
7 up here and people refer to this as a hearing.

8 At the NRC, we would call -- this is a
9 meeting. This is a public meeting, a meeting open to
10 the public.

11 When we use the term 'hearing' at the NRC,
12 we're referring to a legal adjudicatory hearing with
13 a Hearing Panel.

14 So, that's why, you know, sometimes people
15 have referred to this as a hearing, but in our
16 vernacular, this is a public meeting.

17 You can see at that stage, that's an
18 opportunity for a hearing. So, that's an opportunity
19 for the public, you can see on the right-hand column,
20 if the public wishes to, they could submit a hearing
21 request, in order to have the adjudicatory hearing.

22 Further decommissioning and further clean
23 up is done, and eventually, the final status surveys
24 are performed by the licensee.

25 The NRC verifies those surveys to make sure

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1 that the clean-up levels meeting our regulations have
2 been met, and if they have, we terminate the license.

3 Decommissioning regulations also include
4 provisions for protecting the environment. Our
5 environmental law is the National Environmental Policy
6 Act, otherwise known as NEPA, and there are regulations
7 that implements the law, it's 10 CFR Part 51.

8 At the PSDAR stage, PSDAR includes a
9 discussion -- requirements or regulations require that
10 the PSDAR include a discussion, to show that the
11 environmental impacts associated with site-specific
12 decommissioning are bounded by previous environmental
13 impact statements, or if there are significant impacts
14 during decommissioning that have not been previously
15 -- in previous EIS's, the licensee must submit a
16 supplement to its environmental report.

17 MR. SACHS: Can you spell Strontium?

18 MR. PERSINKO: At the license termination
19 --

20 MR. SACHS: Is that the first --

21 MR. PERSINKO: At the license termination
22 plan, it must include the supplemental environmental
23 report, if any new information or significant
24 environmental changes are discovered, and since that
25 is a --

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1 MR. SACHS: Is the Strontium new?

2 MR. PERSINKO: If that isn't -- since that
3 is an official licensing action, an environmental
4 assessment must be performed by the NRC.

5 I'm not going to say too much about this
6 slide. This slide just shows the internal
7 bookkeeping, if you will, within the NRC. The
8 decommissioning has -- different organizations within
9 the NRC have different responsibilities for
10 decommissioning.

11 At certain points in time, the project
12 management function is transferred from one of our
13 offices to another and the inspection programs are
14 transferred from one division to another. That is just
15 internal bookkeeping, if you will, from your
16 perspective. What you should see is a different name
17 on the letters that are being sent out.

18 It will be a different project manager or
19 a different inspector. But that's how internally, we
20 transfer the project.

21 This slide, I wanted to show -- the purpose
22 of this slide, this bar chart is -- I wanted to show
23 that the NRC has a lot of experience in performing
24 decommissioning.

25 Since 1997, the NRC has terminated the

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1 licensees of over -- the licenses over 80 facilities,
2 including power reactors, material sites and research
3 reactors.

4 I chose 1997 for the beginning of this
5 graph because that's when the current power reactor
6 decommissioning process and the release criteria came
7 into effect, by rule making. Both went into effect via
8 a change in the NRC regulations, which we call rule
9 making.

10 It went through the normal rule making
11 process, which included public comment and resolution.

12 Since 1997, the current process has been
13 used to decommission --

14 MR. SACHS: So, I just want to --

15 MR. PERSINKO: -- seven --

16 MR. SACHS: You guys are NRC staff --

17 MR. PERSINKO: -- has been used --

18 MR. SACHS: Right? When you first went to
19 the commission --

20 MR. PERSINKO: Has been used --

21 MR. SACHS: -- nobody came --

22 MR. PERSINKO: -- to decommission --

23 MR. CAMERON: Gary?

24 MR. PERSINKO: -- seven power reactors,
25 and including three in New England. Those three in New

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1 England are Main Yankee, which shut down in 1996,
2 Connecticut Yankee, which also shut down in 1996,
3 Yankee Rowe, which shut down in 1991, and I put this
4 last slide on here for completeness.

5 Millstone Unit 1 is in decommissioning
6 status. It's in Waterford, Connecticut. It's
7 currently in SAFSTOR, and it shut down in 1995.

8 MR. SACHS: Are there two --

9 MR. PERSINKO: That concludes my --

10 MR. SACHS: -- reactors that are open?

11 MR. PERSINKO: That concludes my
12 presentation. With that, I'm going to turn it over to
13 Bruce Watson, who will talk about the PSDAR
14 requirements.

15 MR. WATSON: Thank you, Drew, and thank
16 you all, for joining us tonight and taking time out to
17 be here.

18 Our risk -- our performance based risk
19 informed regulations went into place in 1997. The two
20 key ones are Part 20 and Part 50. Part 50 deals
21 specifically with the decommissioning of power
22 reactors.

23 Another important regulation in effect is
24 the one of independent spent fuel storage, known as
25 ISFSI's.

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1 Like I said, these went into effect in
2 1997. We have 18 years of implementing experience, and
3 we have completed the decommissioning on seven power
4 reactors to date, and numerous other facilities.

5 MR. SACHS: Can we play baseball there?

6 MR. WATSON: Entergy provided a draft of
7 the PSDAR in October for public review. It submitted
8 the PSDAR to us formally on December 19th, and in
9 December 23rd, the PSDAR was available in ADAMS for
10 everyone to see.

11 December 29th, Vermont Yankee permanently
12 ceased operations and on January 12th, Entergy
13 certified that VOI permanently ceased operations and
14 the reactor was completely defueled.

15 This means that the fuel cannot be put back
16 in the reactor, nor can the plant be operated again.
17 If they wanted to operate again, they'd have to apply
18 for an operating license.

19 We issued the public notice for the PSDAR
20 for this public meeting and made it available for
21 everyone to be aware of. Next slide.

22 There are three decommissioning options in
23 our guidance, DECON, which is the immediate dismantling
24 of equipment and structures. In other words, the plant
25 is promptly removed or decontaminated to allow

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1 radiological release. We currently have five plants
2 in DECON.

3 The other option is SAFSTOR. The plant is
4 placed in a safe condition -- stable condition and
5 maintained and in that state until it's decommissioned
6 to permit radiological release. We currently have 14
7 plants, including Yankee -- excuse me, Vermont Yankee
8 in that status today.

9 ENTOMB was also an option, but that is not
10 available. We have no plans to plan or we have no
11 regulations to allow ENTOMB.

12 One of the key futures of the regulations
13 is that radiological decommissioning must be completed
14 in 60 years.

15 Now, part of Vermont activities is that
16 they do have the settlement agreement, which takes into
17 account, information from the -- input from the state
18 and the stakeholders, and also, the NRC encourages that
19 we have -- that the licensee or the state form a
20 Citizen's Advisory Panel, which has been done, and
21 that's to continue to solicit input on the
22 decommissioning. Next slide.

23 The content of the PSDAR is outlined in
24 5082, and in reg -- and the details can be found in
25 Regulatory Guide 1.185.

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1 It must include a description and schedule
2 for the planned decommissioning activities. It must
3 include a site-specific cost estimate, including the
4 cost of managing the radiated fuel.

5 It also must include a discussion that
6 provides the means for concluding that the
7 environmental impact associated with the
8 decommissioning activities will be an appropriately
9 bounded by the issued -- appropriately issued
10 environment impact statement or assessment.

11 MR. SACHS: Can you go into how that
12 interacts with Entergy's statement this week? They're
13 out of here in 60 years, sir.

14 MR. WATSON: The post-shutdown activities
15 report, part of the process is that the NRC regulations
16 that require a public meeting be held. So, we're here
17 tonight to hear your comments.

18 We will make the PSDAR available for public
19 comment, and there is the ADAMS number in our publically
20 available document system.

21 One thing I do want to note is that we do
22 not approve the PSDAR. It is a report, like I said,
23 on the description of the activities --

24 MR. SACHS: Why can't the other licensees
25 --

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1 MR. WATSON: -- the cost estimates and
2 also on the environmental impacts of the
3 decommissioning.

4 I want to point out that the
5 decommissioning, with the restrictions of the time
6 tables that are outlined in the 90 day requirement and
7 other things, that decommissioning can be started under
8 the current license.

9 So, this is not a Federal action in the
10 respect that it's not a license actions in the license
11 amendment or an exemption. It's merely a report to us,
12 which we will gauge its content on and make sure it meets
13 our requirements.

14 MR. SACHS: Do you guys know how to
15 decommission Fukushima?

16 MR. WATSON: So, given that, I will turn
17 it over to Doug Broaddus.

18 MR. BROADDUS: All right, thank you,
19 Bruce. So, I'm the Branch Chief in the Office of
20 Nuclear Reactor Regulation, as Drew indicated before.

21 I have responsibility for the project
22 management oversight of the Vermont Yankee for now,
23 while it was operating, as well as now, that it's in
24 the transition from decommissioning to -- or from
25 operating to decommissioning.

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1 Part of that oversight is for the review
2 of the post-shutdown decommissioning activities
3 report, and I'll be talking about that.

4 As Bruce indicated, there is specific
5 requirements associated with the post-shutdown
6 decommissioning activities report, and those
7 requirements are called out in our regulations, as
8 indicated in the slide.

9 We also have a regulatory guide that -- it
10 describes that the information that we expect to be in
11 the post-shutdown decommissioning activities report,
12 as well.

13 So, when we receive the report, we farm it
14 out to other technical reviewers that have expertise
15 in the specific areas that are required to be in the
16 report.

17 So, I wanted to talk a little bit about the
18 types of evaluation criteria that we have for that.

19 As Bruce indicated, we don't approve the
20 report, but we do review it to ensure that it contains
21 all the required information by our regulations. So,
22 that's the key -- the first key activity.

23 We'll also look at the technical approach
24 -- the approach that the licensee has described, which
25 option they're planning to use to go forward, and to

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1 determine whether or not the approach that they've
2 described is feasible, given the technology that -- the
3 technologies and the approach that they are planning
4 to use.

5 The next key area is can it be completed
6 within the time frame specified, and in this case,
7 Entergy's plan indicates that they're going to SAFSTOR,
8 and therefore, that they will be conducting the
9 decommissioning activities over the 60 period.

10 So, is their plan feasible in -- and have
11 they adequately described that to determine -- for us
12 to be able to determine whether it can actually be
13 conducted during that time frame.

14 So, the -- the next area is -- I'll call
15 it -- is the cost, and I'll talk about a little bit more
16 in the next slide. So, I won't get to that yet.

17 But the final thing is, you know, is it in
18 compliance with our regulations, and primarily, does
19 it -- does that PSDAR -- are there any activities that
20 would potentially endanger the public health and
21 safety? Obviously, if that were the case, we would not
22 allow them to go continue to move forward with the plan
23 from that standpoint.

24 So, it needs to be -- needs to demonstrate
25 that it's protecting the health and safety.

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1 MR. SACHS: Protected action guidelines
2 are the current ones or the ones that got adjusted up
3 20 times after Fukushima?

4 MR. BROADDUS: So, as was mentioned before
5 about the -- the cost estimate.

6 So, along with the post-shutdown
7 decommissioning activities report, the licensee is
8 also required to submit a site-specific
9 decommissioning process. This is an estimate of the
10 entire cost from start to finish, for the entire 60 year
11 period.

12 So, what we look at from that standpoint
13 is, are those costs -- are they -- have they -- has the
14 plan that they've laid out in the cost estimates that
15 they have, does that provide reasonable assurance to
16 us that they're going to be able to complete the
17 decommissioning activities with the money that they
18 have available to them in the decommissioning trust.

19 I know that's an area of significant
20 interest to folks today -- tonight. So, really what
21 we want to look at there is to look at the techniques
22 that they're using, have they -- are the estimates --
23 are they based on realistic types of activities that
24 they would be conducting?

25 Have they identified all the areas that

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1 they need to address, as part of their decommissioning,
2 and properly accounted for those costs?

3 We also look at -- we understand that there
4 could be changes that occur over that period of the
5 decommissioning period. So, do they have the
6 mechanism to adjust their -- both their cost estimates
7 as they're going forward with it, and to account for
8 if they have any funding shortages or -- how would they
9 adjust the funding, to ensure that they're going to be
10 able to complete the activities, if those changes
11 occur?

12 There is also continuous oversight of
13 those -- of the costs, as well. The licensee is
14 required to submit to us annually, a report of the costs
15 that they -- what they have spent, how much money they
16 have left in -- and how that comports with the plans
17 that they've submitted to us previously.

18 So, we'll look at that and make sure that
19 they're staying on track, and obviously, is there is
20 anything that -- any deviations from that, we would have
21 some questions or we would suspect that they would
22 address those changes within that.

23 In addition, if they make any significant
24 changes even throughout the year, they wouldn't -- they
25 would be required to report those changes to us, as

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1 well.

2 As Drew mentioned before, part of our
3 review is also from an environmental perspective, and
4 he indicated before that part of what they need to look
5 at is how does their -- how do the environmental impacts
6 comport with other prior environmental impact
7 statements that have been performed.

8 There are two key environmental impact
9 statements that would -- that would be applicable here.

10 The first is the site-specific
11 environmental impact statement that was performed for
12 the plant when it was originally licensed.

13 So, the activities would have to still be
14 within that original environmental analysis that was
15 performed at that time.

16 MR. SACHS: So, if there was Tritium on
17 site --

18 MR. BROADDUS: And that is --

19 MR. SACHS: -- is that in the --

20 MR. BROADDUS: The NRC developed a -- a
21 number of years back, a generic environmental impact
22 statement on decommissioning, specifically for
23 decommissioning of nuclear facilities.

24 MR. SACHS: And that's what you're going
25 to use here?

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1 MR. BROADDUS: This is --

2 MR. SACHS: Even though there's a
3 preschool across the street?

4 MR. BROADDUS: This specific report was --
5 specifically, they addressed three different options
6 for decommissioning, that Bruce mentioned earlier, the
7 types that they could go into, and the -- and the typical
8 types of impacts that would be expected of those types
9 of activities.

10 So, the licensee would have --

11 MR. SACHS: Stakeholders want to be sure
12 --

13 MR. BROADDUS: -- to ensure that they
14 would --

15 MR. SACHS: -- with the decommissioning --

16 MR. BROADDUS: The licensee would have to
17 ensure that they have addressed those environment
18 impacts and determine whether or not they're within the
19 -- those initial or previous environmental reports.

20 MR. SACHS: We'd like the NRC not to --

21 MR. BROADDUS: We will also continue to
22 assess the environment impacts throughout our
23 inspection program and see if there is any new changes
24 or any new environmental impacts that occur throughout
25 the process.

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1 All right, finally, as we -- as Drew
2 mentioned earlier, we're here tonight to solicit
3 comments on the PSDAR.

4 Our review will consider those comments.
5 We'll look at those comments and we'll determine if
6 there is any -- any adjustments or any additional
7 information that is needed.

8 We would expect as well, that the licensee
9 would also be able -- you know, we would make those
10 available to the licensee, to make sure that they have
11 those and they -- they would have the opportunity to
12 see those public comments, as well.

13 As we go through our review, we may ask for
14 additional information and we will -- we'll complete
15 our review, once we have all the information and we're
16 able to make the determination that the -- what they've
17 submitted is in compliance with our regulations and
18 provides all the information that is required.

19 So, we don't -- as we mentioned before, we
20 don't approve it, but if it's -- if we need additional
21 information to be able to complete our understanding
22 of what they're going to be doing and understanding that
23 they're -- of how they're going to proceed, we'll ask
24 for that information and expect to get that as part of
25 the responses.

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1 Once we're done, we will notify the
2 licensee that we don't have any -- don't require any
3 additional information, and we'll also address, you
4 know, the -- do a summary of the public comments as well,
5 and we'll make sure that those are available to the
6 public.

7 As Bruce mentioned before, the licensee
8 can't begin major decommissioning until after 90 days,
9 after they've received -- we've received the PSDAR and
10 so, what we're -- in that 90 day period now, and we're
11 conducting our review at this point.

12 All right, so, with that, I'm going to turn
13 it over to Marc.

14 MR. FERDAS: Thanks, Doug. All right, my
15 name is Marc Ferdas. I'm from our Regional Office, as
16 Bruce said. My group has responsibility for the
17 oversight program, for sites that are in
18 decommissioning --

19 MR. SACHS: And how many have you done so
20 far?

21 MR. FERDAS: -- as well as sites that are
22 -- that have dry cask storage.

23 Before I kind of go into the details of
24 that, I'd like to just briefly mention how Vermont
25 Yankee finished its operating history from last year.

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1 They finished the assessment period with
2 all green performance indicators and any findings that
3 were issued to them, as all green, meaning that they
4 were -- they continue to be in the licensee response
5 column, the NRC's action matrix.

6 If you have any questions concerning prior
7 performance, Sarah Rich is here. She's the Acting
8 Senior Resident Inspector, who will be more than happy
9 to talk to you after the meeting about that.

10 So, I just wanted to point out how the
11 station did finish out the final period of operations.

12 With that, moving forward the way the
13 oversight program works, we continue to perform
14 oversight.

15 MR. SACHS: How often?

16 MR. FERDAS: We continue to monitor --

17 MR. SACHS: How frequently?

18 MR. FERDAS: -- monitor --

19 MR. SACHS: You do?

20 MR. FERDAS: -- activities at this site.

21 MR. SACHS: You're getting rid of one
22 inspector. How many will be there, sir?

23 MR. CAMERON: Gary, Gary. I'm going to
24 have to ask you to be courteous, so that people can hear
25 what is being said up here.

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1 MR. SACHS: I'm just trying to --

2 MR. CAMERON: You decide --

3 MR. SACHS: -- see what goes --

4 MR. CAMERON: You signed up, like
5 everybody else, and you're going to get your turn, okay?

6 But so far, I think people are getting the
7 message. We're trying to ignore your outbursts --

8 MR. SACHS: Three times --

9 MR. CAMERON: -- and I don't want to have
10 you escorted out --

11 MR. SACHS: That doesn't work this state,
12 sir.

13 MR. CAMERON: -- because -- okay --

14 MR. SACHS: That's not legal.

15 MR. CAMERON: -- because I know that
16 you're passionately concerned about this and you have
17 good questions, but you're going to have to just --

18 MR. SACHS: You're disturbing --

19 MR. CAMERON: -- be courteous.

20 MR. SACHS: -- the speaker. Let him just
21 --

22 MR. CAMERON: Courtesy, okay.

23 MR. FERDAS: Okay, all right, thank you.
24 I just want to reiterate that the oversight and
25 monitoring occurs for the entire period of the

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1 decommissioning process, and that includes as the plant
2 is shutdown, as it transitions to SAFSTOR, as Vermont
3 Yankee has planned, and also continues, as long as there
4 is spent fuel at the site.

5 Our focus continues to be safety and
6 security, as it was for the operating plants.

7 It's mentioned here on the slide, if you
8 are interested, you can go ahead and read about what
9 the oversight process or program entails. There is
10 really two documents I would point you to.

11 One, the first one referenced there deals
12 with our decommissioning process oversight and then the
13 second one deals with our dry cask storage inspection
14 process.

15 Our oversight program really focuses on
16 three main objectives. One is spent fuel being safely
17 stored, being in the spent fuel pool or in dry cask
18 storage.

19 Decommission activities are being
20 conducted in a manner that ensures safety and security
21 to the public workers and the environment, and then
22 finally, that site operations and license termination
23 activities are performed in accordance with Federal
24 regulations and license commitments.

25 On this slide it kind of just gives you a

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1 quick summary of the type of things that we look at over
2 the entire decommissioning process. We are -- our
3 inspections are conducted by qualified inspectors that
4 go through rigorous training programs. It's a
5 combination of the Resident Inspector that is currently
6 at the site, our Regional Inspectors from our Regional
7 Office.

8 We also go to our headquarters technical
9 experts, if needed for certain areas, as well as, we
10 have contractors available to perform independent
11 surveys or other analysis that may be needed for us.

12 At the completion of every inspection that
13 we do, there is a publically available inspection
14 report. That can be found in our electronic docket
15 system, you've heard to it referred to today as ADAMS.
16 That's through our web-page. You can find all
17 inspection reports that are issued.

18 Just -- I just wanted to quickly go over
19 where -- what the oversight status is for Vermont
20 Yankee, so, everyone has a current idea of what's going
21 on there.

22 Currently, we consider Vermont Yankee in
23 the post-operations transition phase, meaning that
24 they're transitioning the plant to a long-term safe
25 storage, as their PSDAR lists.

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1 Currently, there is no major
2 decommissioning activities being performed, as was
3 briefly mentioned, because they are within the 90 day
4 period, but there are no immediate plans for any major
5 decommissioning work, and that is outlined in the
6 Vermont Yankee PSDAR.

7 They are developing plans and seeking the
8 necessary approvals to construct a second dry cask
9 storage pad. This will allow them to remove all spent
10 fuel that's currently in their spent fuel pool, and this
11 would be in addition to the --

12 MR. SACHS: Will this be collected --

13 MR. FERDAS: -- the casks that they
14 already have --

15 MR. SACHS: Casks we have or do not --

16 MR. FERDAS: -- onsite that have -- the dry
17 cask storage --

18 MR. SACHS: -- they were not regulated --
19 tested -- will these be done correctly, sir?

20 MR. FERDAS: And then finally, what I just
21 want to reiterate again is that, you know, the oversight
22 activities are being performed. They will be
23 performed in the immediate future, but also, the
24 long-term future, as well, and as I said, our program
25 is well-defined and it is available for the public to

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1 review -- to review and to get more of the details.

2 So, Drew, I'll turn it back to you now.

3 Okay, we have one more slide. Thank you.

4 One area, this kind of is some of the main
5 reference documents, not only from what I've talked
6 about, but what the other speakers have talked about,
7 that are good documents to review. All of these are
8 available in our public webpage.

9 So, the other thing I would encourage
10 people to take a look at is the You-Tube video that has
11 been put together, that talks kind of, a lot of what
12 was talked about today, but discussed in the
13 decommissioning process.

14 MR. PERSINKO: Thanks, Marc. That
15 concludes the NRC's presentations.

16 At this point, I'll ask Mr. Joe Lynch from
17 Entergy to present the contents of the PSDAR that was
18 submitted to the NRC.

19 MR. LYNCH: Thank you, Drew. My name is
20 Joseph Lynch. I'm the Government Affairs Manger --

21 MR. SACHS: The dude with the cavalry.

22 MR. LYNCH: I'd like to --

23 MR. SACHS: Shit, that's great.

24 MR. LYNCH: -- thank --

25 MR. SACHS: What other plans have you got?

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1 MR. LYNCH: -- the NRC for the opportunity
2 to --

3 MR. SACHS: Entergy's great that way.

4 MR. LYNCH: -- provide an overview of the
5 --

6 MR. SACHS: You lied to us. How about --

7 MR. LYNCH: -- PSDAR process.

8 MR. SACHS: -- you, sir? The last time,
9 they were lying to us. Here he is, telling us how great
10 he is.

11 MR. LYNCH: I'd like to start with --

12 MR. SACHS: I'd like to see --

13 MR. LYNCH: -- a brief overview of some of
14 the recent milestones that we accomplished as we headed
15 up to the point where we've issued our PSDAR.

16 As many of you know, we ceased power
17 operations on December 29th, 2014.

18 MR. SACHS: At least you guys are honest
19 about something.

20 MR. LYNCH: After 633 day run of
21 continuous safe power operations --

22 MR. SACHS: God dammit, are you guys safe.

23 MR. LYNCH: On January 12th of 2015, we
24 completed the defueling of the reactor, moving all the
25 fuel from the reactor, to the spent fuel pool.

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1 MR. SACHS: How many rems did the workers
2 get?

3 MR. LYNCH: And on that same day, we
4 provided certification to the NRC, as Drew mentioned,
5 both indicating that we were ceasing operation of the
6 facility, as well that we certified that fuel had been
7 removed from the reactor.

8 As Marc recently mentioned, we entered
9 into the new oversight process that's that for
10 decommissioning inspection program, exiting from the
11 reactor oversight process, and really, the most
12 important message to all of you regarding our future
13 is our commitment to our employees, to the public and
14 to safety, and when I mean safety, I mean nuclear
15 safety, environmental safety, the security of the
16 people around the site, of the robust security force
17 that we have and our commitment to doing this project
18 correctly and transparently.

19 Leading up to the shutdown, Entergy
20 Vermont Yankee announced in August of 2013, the
21 intention to shutdown the facility at the end of 2104,
22 and what's significant about that is, we formed
23 immediately, a decommissioning planning organization
24 to start the process of leading up to where we are right
25 now.

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1 So, in essence, we've been working on the
2 draft of the PSDAR for about 16 months and we were in
3 a very good position to issue the PSDAR at the end of
4 2014.

5 This was consistent with the settlement
6 agreement that we had reached with the State of Vermont,
7 which would provide that information in advance of its
8 submittal.

9 Included in that settlement agreement were
10 a number of initiatives to help the economic benefit
11 of both the Windham County area, with an economic
12 development fund, a total of \$10 million was going to
13 be provided for economic benefit over a five-year
14 period.

15 We also provided \$5.2 million to the Clean
16 Energy Development Fund and we started payment to a \$25
17 million site restoration fund, in which the first \$10
18 million has been provided to that particular fund.

19 With all of that, we were issued a
20 certificate of public good by the Vermont Public
21 Service Department on March 28th, allowing us to
22 operate through the end of 2014.

23 The last significant milestone that we
24 accomplished prior to issuing the PSDAR for NRC review
25 was the issuance of a site assessment study.

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1 We believe this is a first of a kind
2 document that was developed in part, to give
3 information to key stakeholders, state agencies and the
4 public, in advance of us submitting our PSDAR.

5 It included a draft PSDAR, about 60 days
6 before we submitted the final one, to allow people to
7 take a look at what it contained. It also gave a
8 summary of our decommissioning cost estimate, and it
9 provided two historic site assessments, one for all of
10 the radiological events that occurred at the site that
11 were note-worthy and would be part of decommissioning,
12 as well as the non-radiological events that occurred
13 at the site, and these are two living documents that
14 will be updated, as we go forward with decommissioning.

15 The finally, we did issue our PSDAR on
16 December 19th, and we provided that on our website
17 Vydecommissioning.com, for everyone's review and to
18 ready people for this opportunity to provide comments
19 to the NRC.

20 Our transition from operating to
21 decommissioning and the SAFSTOR plan that we have also
22 involves reductions in our staffing. So, right up to
23 the end of 2014, we're about 550 staff. We've reduced
24 that staffing down to about 316 going forward. That
25 occurred on January 19th.

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1 Our dedication at that point was to our
2 employees, and we're happy to report that all, but a
3 very small amount, less than six of our employees found
4 employment either within Entergy or within the industry
5 or in their area of expertise, and that was a very
6 important focus for us as a company.

7 We'll be going through another staff
8 reduction --

9 MR. SACHS: What happened to Mr. Romero?

10 MR. LYNCH: -- at the mid-point of 2016,
11 where we expect to go from our current staffing level
12 of about 315 to 320, to about 127, as we transition to
13 the point where we'll be putting fuel from wet to dry,
14 and then finally, as we transition into the full SAFSTOR
15 organization, we expect that organization to be about
16 57 to 75 people, the majority being security,
17 overseeing the safe and continuous view of this site.

18 As far as our PSDAR is concerned, we wrote
19 that using the guidance provided by the NRC. That
20 being 10 CFR 50.82, as well as Reg Guide that the NRC
21 has issued, the same Reg Guide they'll be using to
22 review the PSDAR Reg Guide 1185 Revision 1.

23 We also reviewed a number of PSDAR's that
24 were submitted by other sites that were either in
25 previous decommissioning or in the process of

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1 decommissioning, to make sure that we are getting
2 operating experience and experience from other plants
3 that were in this particular position, and we put
4 together this experienced team that included our own
5 folks from our decommissioning planning organization,
6 as well as the TLG Services, which is an industry-known
7 decommissioning estimating organization, who also had
8 expertise in writing PSDAR's.

9 The content follows very closely, the Reg
10 Guide and it has a description of the planned
11 decommissioning activities. It goes through a very
12 detailed schedule of decommissioning. It provided the
13 detailed decommissioning cost estimate and talks about
14 the environmental impacts and how we comply with them.

15 As mentioned by the NRC, this is a living
16 document. So, any major changes to our plans for
17 decommissioning would inspire us to revise the PSDAR,
18 as part of those regulations.

19 The decommissioning schedule that we have
20 developed based on the SAFSTOR plan that we're going
21 to implement at Vermont Yankee has us going from where
22 we are right now, into a preparation period, from
23 essentially when we shutdown at the end of the year,
24 to the midpoint of 2016. We'll be making plans for
25 transition into SAFSTOR.

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1 From the middle of 2016 until the year
2 2020, we'll be going through the process of moving the
3 fuel from wet storage to dry fuel storage, that will
4 include the installation of a second dry cask fuel
5 storage pad and the loading of 45 additional canisters,
6 and I'll talk a little bit more about that.

7 Then we enter into a long-term SAFSTOR
8 period. Right now, we're assuming that to be about 32
9 years, which will have the plant laid up in a dormancy
10 state with the fuel all stored onto a dry cask fuel
11 storage.

12 It is our estimate right now, based on
13 information from Department of Energy, that they will
14 be taking fuel and completing that by around 2052, at
15 which point, we will then transition to the final part
16 of the dormancy period.

17 The one thing I will note, and I put --

18 MR. SACHS: When will this happen?

19 MR. LYNCH: -- the slide is that this is
20 based on the growth of the decommissioning trust fund,
21 at the rate the NRC allows by regulation, which is about
22 two percent per year.

23 If that decommissioning trust fund was to
24 grow at a faster rate, which it has since Entergy
25 purchased Vermont Yankee, then we would be moving all

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1 these dates up and we would be starting decommissioning
2 and completing decommissioning sooner than these
3 projected dates that's in our plan right now.

4 As we make our final preparations for
5 decommissioning, right now, the estimate is that we'll
6 start in about 2068 and be complete in about a year and
7 a half. Then we will go into active decommissioning,
8 which would include large component removals for about
9 a year and a half, followed by large system removals,
10 building decontamination and demolition from 2070 to
11 2073, about two and a half years= worth of work, and
12 then finally, as described, we'll enter into our
13 license termination period. We will meet the NRC
14 requirements for unrestricted site use and the 25
15 millirem per year criteria established for
16 unrestricted use.

17 Then finally, we'll enter into a site
18 restoration period, which will take us to about 2075
19 and about 59 years from the shutdown of the facility,
20 and again, all these dates are predicated on the
21 assumption that the growth of the fund will be in
22 accordance with what we're allowed to by regulation,
23 but based on traditional and past performance, we
24 expect that we'll be able to move that up.

25 Moving onto spent fuel management, which

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1 is an important element of the PSDAR.

2 The current status of our dry fuel storage
3 is that we have 13 canisters loaded and safely stored
4 on the first of what we believe to two independent spent
5 -- I'm sorry, independent spent fuel storage
6 installation pads.

7 We do have an application in for a second
8 pad, that was submitted to the Vermont Public Service
9 Board on June 30th, seeking approval. We expect to
10 have that approval next year, at which time, we'll start
11 construction on the second pad.

12 In total, we'll have an additional 45 casks
13 for 58, storing all of the fuel, and again, as I
14 mentioned earlier, our plan is to have that complete
15 by the year 2020.

16 The next slide shows a photograph, and
17 aerial photograph of our independent spent fuel storage
18 installation and the arrows pointing to the existing
19 pad, and then the next slide shows the current location
20 of our first pad and then the warehouse that's just to
21 the right of that is the location for the second pad.
22 So, they'll be adjacent to each other, to allow the
23 loading, based on the existing load pad that we have
24 in place.

25 SPEAKER: Can you clarify, the round

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1 drawing to the lower left, what might be there, a
2 parking lot, where there's a pad? Is that where spent
3 fuel is now currently stored?

4 MR. LYNCH: This is the existing pad right
5 now. This photo is from 2008, and it shows five
6 canisters loaded on the pad.

7 So, this is one of two pads. The second
8 pad would be located where this warehouse is right now,
9 and will look very similar to the one that we have
10 installed currently.

11 SPEAKER: How many casks are there now?

12 MR. LYNCH: There is 13.

13 SPEAKER: Now?

14 MR. LYNCH: Thirteen now on that first
15 pad.

16 MR. CAMERON: We're going to have to move
17 on, and then we'll get to the questions. Go ahead, Joe.

18 MR. LYNCH: Next slide, please.
19 Submitted at the same time as our PSDAR was our
20 irradiated fuel management plan. Again, this was
21 submitted in accordance with NRC regulations, and NRC
22 will be conducting their review in accordance with
23 their process.

24 This essentially discusses the changes to
25 our program for the management of irradiated or spent

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1 fuel. We intend to manage the fuel in accordance with
2 the plan, to move all the fuel from wet to dry. We also
3 provide the information about how we're going to fund
4 the movement of the fuel and pay for the spent fuel
5 management going forward, and as I had mentioned
6 earlier.

7 Then again, to summarize where we stand
8 with our existing fuel, the spent fuel pool right now
9 contains 2,996 spent fuel assemblies. The 13
10 canisters I described carry -- contains 884 spent fuel
11 assemblies.

12 So, right now on site, there is a total of
13 3,880 spent fuel assemblies, and again, based on the
14 latest information from the DOE, we expect their
15 loading campaign would start in about 2026 for Vermont
16 Yankee, complete by 2052, and this program also further
17 talks about our strategies for managing the fuel and
18 the funding going forward.

19 The last thing I'll talk about is our
20 detailed Decommissioning Cost Estimate. This was
21 prepared in accordance with NRC guidance, again, by TLG
22 Services, using their cost estimating model, which is
23 used by the majority of the industry, and it also was
24 informed by plan-specific data, walk-downs that we did
25 at the sites and using our design basis to determine

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1 the size of the buildings and structures that are on
2 the site.

3 The decommissioning cost estimate
4 contains specific costs for the three elements of
5 decommissioning, that being the license termination,
6 spent fuel management, site restoration, and it also
7 breaks down the costs by each period, as we work our
8 way through decommissioning.

9 Some of the key estimates -- I'm sorry,
10 some of the key assumptions used in the decommissioning
11 cost estimate is that we'll have the second dry cask
12 fuel storage pad installed in about 2017. We'll expect
13 to have all of the off-loading of fuel from wet to dry
14 complete by 2020. Again, the assumption is that DOE
15 would be starting to remove fuel from the site in 2026,
16 completing in 2052.

17 MR. SACHS: Did you put your own --

18 MR. LYNCH: Our SAFSTOR period is 52
19 years, as I mentioned earlier. We'll be starting
20 active D&D or decontamination and dismantlement in 2068
21 --

22 MR. SACHS: How about 2021?

23 MR. LYNCH: -- and that will be about six
24 years, and then finally, the time assumed is 1.5 years
25 for site restoration?

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1 MR. SACHS: What if you find Strontium?

2 MR. LYNCH: And again, some of the -- the
3 background information is that this is all predicated
4 on following NRC regulations in clean up standards,
5 that being the 25 millirem per year --

6 MR. SACHS: And what if the money is not
7 there in 60 years?

8 MR. LYNCH: The current --

9 MR. SACHS: That's what will happen,
10 right?

11 MR. LYNCH: -- cost estimate for the
12 decommissioning of the site is \$1.24 billion. We put
13 that out --

14 MR. SACHS: Can you subtract out the --

15 MR. LYNCH: -- in our assessment study --

16 MR. SACHS: -- the two lines of what it
17 leaves --

18 MR. LYNCH: That's all we --

19 MR. SACHS: -- so we know how much we're
20 looking for?

21 MR. LYNCH: -- have in the --

22 MR. SACHS: So, you basically subtract out
23 the two lines of credit --

24 MR. CAMERON: Gary?

25 MR. SACHS: -- and I want to know --

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1 MR. CAMERON: Gary?

2 MR. SACHS: I want to know.

3 MR. CAMERON: Come on.

4 MR. SACHS: I'm serious.

5 MR. CAMERON: Gary, please. I know you
6 want to know, but let's let him finish so --

7 MR. SACHS: I'm wondering --

8 MR. CAMERON: -- we can go on to all of the
9 --

10 MR. SACHS: -- the \$1.24 billion minus the
11 two lines of credit --

12 MR. CAMERON: Okay.

13 MR. SACHS: -- of moving the spent fuel
14 leaves us -- how much are we looking for?

15 MR. CAMERON: Please finish up, Joe.

16 MR. SACHS: Now, that \$1.24 billion --

17 MR. CAMERON: Please finish up.

18 SPEAKER: We need to know that.

19 MR. SACHS: Thank you.

20 SPEAKER: We need to know that.

21 MR. SACHS: We do.

22 MR. LYNCH: The \$1.24 billion --

23 MR. CAMERON: You will.

24 MR. LYNCH: -- is made up of those three
25 elements that I mentioned earlier --

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1 MR. SACHS: What about the lines of
2 credit?

3 MR. LYNCH: Our current estimates are
4 license termination of \$817 million. There is the cost
5 of site restoration at \$57 million and the management
6 of the spent fuel will be \$368 million.

7 The current balance of the nuclear
8 decommission trust as of the end of 2014 was \$664.5
9 million.

10 The next slide just shows a graphic of how
11 the decommissioning costs are broken down, totaling up
12 to the \$1.2 million.

13 I will talk a little bit about the spent
14 fuel management costs. I had mentioned the total cost
15 was \$368 million. That breaks down into two elements,
16 that being the operational costs. This is the
17 year-to-year costs of overseeing the spent fuel up to
18 the year 2052, when we assume it's going to be
19 completely removed from the site.

20 MR. SACHS: You expect that?

21 MR. LYNCH: That is \$225 million and then
22 the cost to actually complete the transfer of the fuel
23 from wet to dry, completing in the year 2020, would be
24 at a cost of \$143 million.

25 In order to fund this, Entergy has

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1 established two lines of credit. They total \$145
2 million and the strategy here is to use this private
3 funding, so that we don't have to take money out of the
4 nuclear decommissioning trust, thus allowing the trust
5 --

6 MR. SACHS: God, you guys look good.

7 MR. LYNCH: -- to remain, and then we would
8 -- we would --

9 MR. SACHS: How nice of you --

10 MR. LYNCH: -- use the opportunity to --

11 MR. SACHS: Why are you so nice to us?

12 MR. LYNCH: -- use this with the
13 Department of Energy, to recoup those costs.

14 In conclusion, our focus as we transition
15 to dormancy and dry cask fuel storage would be continued
16 compliance with our settlement agreement with the State
17 of Vermont. We do have a number of decommissioning
18 preparation activities, including system lay-ups and
19 draining and systems, de-powering certain buildings to
20 cold and dark --

21 MR. SACHS: How about cleaning up the
22 Strontium?

23 MR. LYNCH: -- and we've upgraded our
24 security modifications.

25 We'll also have some select out-buildings

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1 that will be removed to shrink the footprint on the
2 site, and get those activities done before we enter into
3 dormancy.

4 MR. SACHS: Aren't you going to put --

5 MR. LYNCH: We will have a commitment --

6 MR. SACHS: -- more buildings --

7 MR. LYNCH: -- to our ongoing
8 environmental monitoring programs --

9 MR. SACHS: Aren't you guys going to buy
10 anymore --

11 MR. LYNCH: -- those will not change, even
12 though we've entered into decommissioning, and one of
13 the very key milestones that we expect to be working
14 through this year is to work closely with the State of
15 Vermont to negotiate some final site restoration
16 standards, which is one of the elements in the
17 settlement agreement that is yet to be completed, but
18 it's our intention to complete that this year.

19 Then finally, completion of this. To
20 continue to get information out to the public, we expect
21 to have open and transparent communications that
22 through our -- both our contribution to and
23 participation in the nuclear decommissioning citizen's
24 advisory panel, which has met five times since the
25 announcement, and we expect to continue to have a role

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1 in that, providing updates on a regular basis. The
2 next meeting is next Thursday, February 26th.

3 We also will continue with our stakeholder
4 outreach, both through speaking engagements and
5 community involvement. I'm proud to say that last
6 weekend, we were a sponsor for the Harris Hill ski jump
7 event for the 30th year in a row, in Brattleboro, which
8 shows that we've been very serious about our commitment
9 to the community.

10 Finally, we'll be continuing tours of key
11 stakeholders and all the information, including this
12 presentation and any future information having to do
13 with decommissioning will be on our website for public
14 review.

15 MR. SACHS: Thank you. Great job, man.

16 MR. CAMERON: Okay, thank you to the
17 Panel. We're going to go to -- we're going to go to
18 three officials from the State of Vermont. We're going
19 to start with Chris Recchia, then we're going to go to
20 Bill Irwin and then to Chuck Schwer. Got it? Okay.

21 SPEAKER: How can we sit here for over an
22 hour and -- please.

23 MR. CAMERON: Okay, we're going to try to
24 get some heat, yes. I apologize. I apologize, Deb, and
25 to all of you. It is cold, okay.

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1 So, Chris, do you want to talk from here?

2 MR. RECCHIA: Yes. Hey, thanks, very
3 much, Chip.

4 Chris Recchia, Commissioner of the Public
5 Service Department. Thank you all, very much for
6 coming.

7 If it's any consolation, it was colder last
8 month for the meeting. I think -- yes, we'll check on
9 the heat before we come back here.

10 Thanks for coming to Vermont. Welcome to
11 the state that has 45 percent of its electricity now
12 produced by renewable resources.

13 MR. SACHS: Nuclear is not renewable,
14 dear.

15 MR. RECCHIA: We haven't bought any power
16 from the plant for -- since 2012, when we thought it
17 should have shut down, and we're pleased to be moving
18 on.

19 That said, you know, we did reach a
20 settlement agreement with Entergy, and it's been
21 successfully implemented to date, including, you know,
22 all of the -- all of the milestones that have been
23 requested of both of us in that, and I want to thank
24 Entergy for that work, including the site assessment,
25 which was a unique document that went back to look at

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1 all the potential things that are on the site, and that
2 need to be factored into decommissioning, or
3 decontamination and dismantlement.

4 But I do note that, you know, there's a lot
5 that's going to be discovered. I equate this to -- for
6 those of you who bought a house, when you bought your
7 first house, it was, you know, like really exciting to
8 see it the first time, and it all went downhill from
9 there.

10 You went and you went back for another
11 visit and you discovered, "Oh, the plumbing is not quite
12 right, the electricity is not quite right. We got, you
13 know, some septic issues," and you know, but you still
14 buy the house and you're happy about it.

15 Well, you know, we're going to
16 decontaminate a plant here that will discover other
17 things, and I think that's the focus of my main
18 comments, is the concern that the costs are going to
19 be -- are going to become clearer, as we go forward and
20 the picture is not going to get better.

21 You know, I have to mention the
22 Strontium-90, one example, even you know, in the last
23 few months, we have determined that that's present, and
24 where it came from and what the ramifications of that
25 are, we don't know yet.

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1 But let me go to a couple of positive things
2 first, before I got to -- and I just want to say that,
3 you know, Chuck and Bill will follow.

4 We intend to submit written comments and
5 I'm not -- I'm not trying to in any way, you know,
6 categorize our comments tonight. I want to give you
7 a favor for them, and we'll go into, you know, written
8 comments, as time goes on.

9 But I do want to note that, you know, we
10 gave Entergy -- Entergy -- as part of the settlement
11 agreement, Entergy gave us the PSDAR and the settlement
12 -- and the site assessment, 60 days before they filed
13 the PSDAR with you, and we submitted comments to them
14 totaling, I think it was close to 200 comments or
15 questions, and we're waiting for a response from them,
16 and we'll -- we will develop a written response to you
17 guys.

18 But you know, I want to acknowledge that
19 we are in a different mode now, right? The plant has
20 shut down. It is -- the reactor is defueled and the
21 fuel is in the spent fuel pool.

22 That said, you know, we are anxious and
23 part of the settlement agreement or Entergy's
24 commitment, I should say, it was not part of the
25 settlement agreement, is to try and move the fuel by

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1 2020.

2 We appreciate that. We think that's the
3 next milestone here that we need to shoot for. I will
4 say that, you know, our concerns relate to the emergency
5 protection zone in the interim. It relates to -- our
6 concerns relate to the -- to the nuclear
7 decommissioning trust fund and how it's expended, and
8 that is within your purview as well, or needs to be,
9 and we're going to be focusing on that.

10 Then you know, really the long-term
11 management of the site. Our goal, or the Governor's
12 goal is to get this site restored for any purpose, as
13 soon as possible, and what that means is, we need a
14 commitment from the Nuclear Regulatory Commission and
15 from Entergy, to spend costs wisely, to grow that fund,
16 as the trustee has been doing, and to make sure that
17 we can do this work as quickly as possible.

18 So, with that, I guess I will switch over
19 to my colleagues from the other agencies. I just do
20 want to say, it was one more point that I wanted to make,
21 which was particularly, on the expenditures of the
22 funds, and we'll express this more in the comments to
23 you.

24 I know your focus is on safety and concern
25 with that, but you were the -- you are the stewards of

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1 the funding and the determination of when it is okay
2 and able to be fully decontaminated and dismantled, and
3 I do think you need to pay better attention to the fact
4 that we have switched environments here from our
5 regulated utility structure to one where we have
6 merchant facilities that need attention.

7 As a regulator myself, please step up to
8 the regulator role and pay attention to this because
9 it's really important for Vermont. So, thank you all
10 very much.

11 MR. CAMERON: Okay, this is Bill Irwin.
12 I'll let him introduce himself, and then we're going
13 to go to Chuck and then we're going to go to Deb Katz,
14 Arnie Gundersen and Leslie Sullivan Sachs.

15 MR. IRWIN: Thank you, Chip, and thank you
16 to the NRC for making this meeting available for the
17 work that you're doing and that you're going to do, to
18 ensure the safe decommissioning of the plant.

19 I am the Radiological and Toxicological
20 Sciences Chief for the Vermont Department of Health,
21 and I'm also a member of Nuclear Decommissioning
22 Citizen's Advisory Panel.

23 I'm going to provide a brief summary of our
24 Health Department's written comments, which we will be
25 submitting to you shortly.

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1 First of all, we believe that PSDAR is
2 written with inadequate detail for the Department of
3 Health to be confident that the public health and the
4 environment are protected during any of the phases of
5 decommissioning.

6 The PSDAR does not adequately estimate the
7 number and types of personnel onsite to accomplish
8 work, especially wet spent fuel operations, fire
9 protection, monitoring of structure system and
10 component integrity and radiological and environmental
11 monitoring for the Health Department to be certain that
12 public health and safety will be served to the degree
13 needed.

14 The PSDAR also does not describe the depth
15 and breadth of the radiological environmental
16 monitoring program. Doing so is important because of
17 the volume of radioactive materials generated by plant
18 operations and to be maintained within the structures,
19 systems and components during each phase of
20 decommissioning.

21 Nuclear reactors that are in SAFSTOR at
22 multi-unit sites like Millstone 1 and Indian Point 1
23 are subject to a robust radiological environmental
24 monitoring program for the other operating reactors at
25 the site.

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1 The PSDAR provides no indication that
2 robust radiological environmental monitoring is
3 planned or can be executed at Vermont Yankee.

4 Radiological emergency preparedness
5 during decommissioning is also inadequately described
6 in the PSDAR.

7 The basis of emergency planning seems to
8 ignore hostile action based scenarios that could
9 destroy key structures storing radioactive materials
10 or result in Zirconium fuel fire.

11 Relative to demolition to three feet below
12 grade, it's clear from records of -- that there are
13 deeper depositions of soil contamination and that
14 demolition more than three feet below grade will be
15 required in numerous places at Vermont Yankee.

16 Significant leakage of reactor condensate
17 radioactive material spills have occurred in the
18 advanced off-gas piping total from piping between the
19 AOG building and the radioactive waste building, around
20 the radioactive waste building, in the condensate
21 storage tank yard and between the reactor radioactive
22 waste in AOG buildings and Connecticut River.

23 The PSDAR provides no assurance that the
24 challenges of remediating these radioactive materials
25 are factored into the planning and the funding for the

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1 decommissioning of Vermont Yankee.

2 With regard to fire protection systems,
3 there is no evidence provided in the PSDAR that local
4 fire department personnel are fully prepared for onsite
5 firefighting with limited support offered by the staff
6 at Vermont Yankee.

7 There is also no evidence in the PSDAR how
8 offsite responders can manage offsite contamination
9 that might result from fires that consume radioactive
10 materials stored onsite.

11 We also believe that radioactive materials
12 onsite are not adequately characterized to make
13 adequate decisions about the effectiveness of the
14 post-shutdown decommissioning activity report.

15 In particular, a number of events at
16 Vermont Yankee have left significant amounts of land,
17 as well as many structures, systems and components in
18 a radiological condition that has not been fully
19 characterized.

20 Relative to public votes, the PSDAR
21 describes the 2002 generic environmental impact
22 statement determination that the assessed range of
23 possible radiological accidents during
24 decommissioning concludes that the risk at spent fuel
25 pools is low and well within the NRC's quantitative

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1 health objectives.

2 That document, written in 2002, published
3 just months after September 11, 2001, certainly could
4 not have anticipated what we learned September 11,
5 2001, and these hostile actions, according to the
6 National Academies of Science, could lead to a
7 Zirconium fire in the spent fuel pool or severely damage
8 the torus will more than 1.4 million gallons of
9 radioactive water will be stored until decontamination
10 and dismantling.

11 So, generally, we'll see additional
12 comments, more specificity in our written remarks. We
13 find it very helpful that Entergy provided a site
14 assessment study. Hopefully, you'll find that
15 valuable too, because it does give much more detail on
16 some of the historical characterization.

17 We appreciate the fact that that was
18 negotiated and we also appreciate the fact that Entergy
19 has run this plant very safely for the 41 years of
20 operation, so far. We hope that it maintains that
21 throughout the decommissioning process, as short as
22 that can be. Thank you.

23 MR. CAMERON: Thank you very much, Bill
24 and this is Chuck.

25 MR. SCHWER: Hi. Thank you, everybody,

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1 and thank you, NRC. We appreciate the opportunity to
2 comment tonight.

3 My name again is Chuck Schwer. I represent
4 the Agency of Natural Resources. We have a much
5 smaller role in this than the first two speakers, but
6 also, a very important role.

7 We're focused mainly on the
8 non-radiological component of risk at Vermont Yankee.

9 So, our agency has independently reviewed
10 the PSDAR. I'm going to just share some of our
11 comments, that will also be provided in writing.

12 So, comment one. The SAFSTOR time line
13 delays, and excuse me, the SAFSTOR time line delays
14 important planning and decision making processes,
15 important site characterization and remediation for
16 non-radiological contaminants should not be delayed
17 while VY is in SAFSTOR.

18 Two, the PSDAR process inadequately
19 assesses the site-specific environmental impacts of
20 Entergy's decommissioning activities necessary to
21 facilitate proper planning.

22 The range of environmental impacts
23 addressed by the PSDAR does not include environmental
24 impacts with non-radiological contaminants and
25 generation and storage of non-radiological waste.

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1 Three. The PSDAR process lacks adequate
2 review of decontamination activities. There is no
3 requirement for altering decontamination activities in
4 light of associated environmental impacts or for
5 otherwise modifying the PSDAR, in light of issues
6 raised during the public comment process.

7 Lastly -- thank you, and lastly, the
8 settlement agreement between Entergy and the State of
9 Vermont requires Entergy to review and consider
10 comments provided by the state for inclusion in the
11 PSDAR.

12 There is no evidence that Entergy
13 considered or incorporated feedback from the state in
14 its comments on the October 2014 site assessment study.

15 Additionally, the state specifically
16 requested additional information, to be able to assess
17 the environmental impacts of decommissioning
18 activities, as outlined in the site assessment study
19 and the PSDAR. The state has not received a response
20 to these requests to date.

21 Thank you for this opportunity. Thank
22 you.

23 MR. CAMERON: Thank you, Chuck. We're
24 going to go to Deb Katz. Deb, do you want to come down
25 here, and then Arnie Gundersen, Leslie Sullivan Sachs.

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1 SPEAKER: Don't clap yet, because you
2 don't know what's going to happen.

3 SPEAKER: Could you please tell us before
4 Deb starts, again, the names of these two gentlemen and
5 the agencies they represent?

6 MR. CAMERON: Okay, well, this is Bill
7 Irwin and Bill is Department of Health, and this is
8 Chuck Schwer, Department of Natural Resources.

9 SPEAKER: But I can't see them.

10 MR. CAMERON: Okay, and you know Chris
11 Recchia. You know his -- okay, all right.

12 Okay, this is Deb Katz. Deb?

13 MS. KATZ: I'm Deb Katz. I'm the
14 Citizen's Awareness Network. We have about 3,000
15 members in the tri-state community. We were involved
16 in hearings on the decommissioning of Yankee Rowe and
17 Connecticut Yankee. We actually sued the NRC and won
18 a lawsuit against you guys, for the illegal
19 decommissioning of Yankee Rowe.

20 So, that's the context for having some
21 knowledge of issues, and I want to thank the state for
22 the clarity that they provided in their comments. I
23 really appreciated it, and I think it's really
24 important, and it actually allows me to not go into the
25 weeds, but to try to look at some financial issues, in

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1 terms of Entergy being a merchant plan, and how that
2 impacts the issues of clean up.

3 I want to look at it in the first five
4 years, not in terms of that endless long line that seems
5 to go on forever for clean up, but in terms of the
6 movement of the fuel, which is the most dangerous
7 activity that's going to go on. In fact, one of your
8 NRC representatives I think said, "This is a very risky
9 operation."

10 In terms of that, the issue of Entergy's
11 financial vulnerability and their wanting to use money
12 from the decommissioning fund to keep the EPZ in fact,
13 in place, in fact, their request to end the EPZ at this
14 point is really troubling to people in this community,
15 because in fact, the movement of that fuel is a very
16 big deal.

17 There are two elementary schools,
18 basically a stone's throw from the reactor, and the
19 reactor is located in a village, in the middle of it.

20 This is a site-specific issue, not a
21 generic one, about why the EPZ should stay in place,
22 just as it is a site-specific issue, that during the
23 transferring of the fuel, that that school in Vernon
24 and the one across the river in Hughsdale, should not
25 have elementary students in it, when they're moving the

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1 fuel, which is about 400 tons, at this point. Some say
2 got 13 casks on site.

3 It is unconscionable. It is madness, to
4 think that elementary kids will be in school when they
5 move their fuel, and it is up to you as regulators, to
6 call a halt to that idea.

7 But all of this revolves around the issues
8 of Entergy's not having the financial where-with-all
9 to clean the site up, because it hasn't paid into the
10 decommissioning fund, and so, there isn't enough money.

11 Now, there hasn't been enough money at any
12 nuclear site that you've had oversight over. Rowe
13 didn't. Connecticut Yankee didn't, but they had a rate
14 base to go back to, and Entergy has none, and your
15 regulations don't adequate deal with this situation,
16 in terms of keeping this corporation accountable.

17 Two-million dollars a year to keep the EPZ
18 in place is not a big deal for five years. Hey, guys,
19 that's \$10 million. How come Entergy doesn't have that
20 money, and if they don't have that money, how come the
21 parent corporation that signed a letter saying they
22 would be responsible if Entergy, the limited liability
23 corporation running the reactor, didn't have money,
24 that in fact, the parent corporation would?

25 So, why isn't the parent corporation being

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1 asked to come up with the money for that?

2 There is a problem in all of this. Just
3 as if those students need to be moved from the school,
4 that there is a plan that in fact, the corporation pays
5 to help relocate those students during that time, and
6 all of this revolves around the issues that the NRC did
7 not require a fully funded adequate decommissioning
8 fund, to have in place, before the reactor closed, and
9 you guys have done this at every site. This isn't new
10 to you.

11 You talk about the seven reactors that
12 you've overseen, and you've failed at every one of them,
13 to have enough money in the fund. Failed. It's all
14 on the rate payers to come up with the money again and
15 again, but we can't. Entergy has no rate base.

16 So, they're not in a good situation, but
17 I don't understand why their parent corporation isn't
18 being asked to come up with the money, rather than
19 raiding the decommissioning fund for money to keep the
20 EPZ in place, or to move the high level waste or to
21 babysit the high level waste for 50 years they're
22 talking about.

23 Why should the decommissioning fund go to
24 babysit the waste, when the nuclear industry and the
25 Federal Government have advocated their responsibility

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1 to have a place for the high level waste?

2 It is unacceptable, that the
3 decommissioning money be used this way, and there is
4 no reason why the \$7 billion corporation that Entergy
5 is, can't come up with a measly \$6 million a year to
6 babysit the high level waste, and the \$2 million a year
7 for five years? Come on, guys, you can do a better job.

8 MR. CAMERON: Okay, thank you. Thank
9 you, Deb.

10 Okay, we're going to go to Arnie Gundersen.

11 MR. GUNDERSEN: Thank you. Yes, hi. I'm
12 Arnie Gundersen from Fairewinds.

13 I'm here tonight. We have a Lintilhac
14 grant to analyze the decommissioning plan. So, I put
15 in about 200 hours on the decommissioning plan, in
16 addition to a 40 year career, which included working
17 on subcontracts with decommissioning of Shippenport,
18 and as a radiation -- member of the Radiation Safety
19 Committee at a plant that decommissioned licensee
20 facilities around the country.

21 So, I appreciate that you're giving me five
22 minutes to explain 40 years= worth of experience here.

23 First up, my third year -- third grade
24 teacher is rolling over in her grave. It's SAFSTOR and
25 it rhymes with sap, not safe-store. There is no 'e'

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1 there.

2 Second, there is no bases in physics for
3 60 years. It's a subsidy to the nuclear industry.

4 Here in Vermont, we have to -- a windmill
5 has to have a fully funded decommissioning study --
6 fund, before it starts, and we give Entergy 60 years
7 to clean up.

8 It's really about the money. It's not
9 about trying to minimize worker exposure. The example
10 is a 60 year SAFSTOR will use about 300 rem in radiation,
11 but when Entergy needed to start Palisades up in three
12 weeks, they dished out 115 rem in three weeks.

13 So, when the goal is to get a plant up and
14 running, those be damned. Please don't hide behind
15 SAFSTOR, there's no bases in physics.

16 Second, second is the emergency plan. We
17 should have an emergency plan in place as good as what
18 it was, until the fuel is removed, and you've also
19 allowed the tech specs to be changed, so the fuel pool
20 ventilation is no longer covered under the technical
21 specifications. That is an indication that you just
22 don't believe that an accident can happen.

23 Frankly, we had an accident here. I may
24 be the only one in the room that remembers, but in 2008,
25 the crane brakes broke, as they were lifting the

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1 canister with spent fuel in it.

2 So, accidents can happen, and in fact, have
3 happened, and I think that needs to be reflected in the
4 emergency plan.

5 I agree with Deb that we've got -- if you've
6 got to be moving those canisters, we know the brakes
7 have failed in the past, and that's an indication that
8 they might fail in the future.

9 Do it in the summer when the school is out.
10 This is not rocket science and it's not a lot of money.
11 Move the fuel when the kids aren't there.

12 All of this, by the way, will be in a much
13 longer report that Sarah Rich will be doing and also,
14 we will be putting an hour-long presentation that I
15 gave, on the web next week, with more details, and we
16 urge you to write to these guys in the next month.

17 The next thing is the AOG building. I said
18 five years ago in 2010, when I was on the Government's
19 oversight committee, that you were going to find cesium
20 and you were going to strontium under the AOG building.
21 Guess what? You did.

22 Now, you've got strontium at the well.
23 I'm telling you, I know where it's coming from. It's
24 under the AOG building.

25 We can remove the AOG building now, and

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1 save money in the decommissioning fund. We're paying
2 -- we're paying by the cubic foot. Most of the horses
3 are still in the barn. Most of the horses are still
4 under the AOG building. We can move the AOG building
5 and reduce the ultimate cost of the decommissioning.

6 Now, Entergy has already told us in 60
7 years, they're going to say they're told to sue us,
8 "We're out of here," so that if that strontium is run,
9 it's going to be out liability. We have a chance to
10 nip it in the bud.

11 We can close the barn doors, decommission
12 the AOG building right now. That's it for safety. The
13 others are economic.

14 The LLC issue, this is a -- you guys think
15 -- we're establishing a precedent here. The plants
16 that you have up there are all utilities. This is an
17 LLC, and there is a big difference, as Deb already said.

18 Mr. Watson from the NRC said three weeks
19 ago that Entergy is ultimately responsible, but the
20 fiscal committee, just last week, Entergy said, "We're
21 out of here in 60 years. Sue us."

22 So, to me, there is a big difference here,
23 between what the NRC thinks the regulations speak to,
24 and what Entergy thinks the regulations speak to.

25 Next is 10 CFR 50.75. It's a failure.

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1 The model that you use for calculating the money that
2 should be available is simplistic and has no basis in
3 science.

4 Now, Fairewinds has developed under the
5 Lintilhac grant, as spreadsheet that does this. We
6 spent about 10 days, two people working 10 days, to
7 develop a spreadsheet. We're going to make it
8 available to the State of Vermont and to the country,
9 so that you can do a spreadsheet to track how the money
10 develops in the fund and when it's withdrawn.

11 When I do those numbers, I show we can start
12 decommissioning in 2026 and be done in 2032, if the
13 ISFSI fund, that the Independent Spent Fuel Storage,
14 is not included.

15 You're allowing Entergy to raid the cookie
16 jar by taking money out of the ISFSI fund and not
17 returning it when they get it back from the Department
18 of Energy. Something is wrong with your model. I'm
19 going to recommend to the state, that they oppose the
20 exemption that Entergy will ask for, when they want to
21 raid the ISFSI fund, and Vermont, they're stakeholders.
22 We have a piece of this pie at the end of the --at the
23 end of this project, if there is any left over, it's
24 half ours and half Entergy's. That's part of the
25 agreement. So, we have a seat at the table. I'm a

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1 stakeholder.

2 Finally, the expenditures that are being
3 incurred are being incurred by a company that has --
4 that has no oversight. You guys aren't giving them
5 financial oversight, and in the State of Vermont,
6 they're not a public utility. Who is overseeing the
7 cookie jar?

8 Your analysis is health and safety, and in
9 fact, TLG is a wholly owned subsidiary of Entergy.

10 So, when Entergy couldn't make money when
11 the plant is running, then you can be damn sure they're
12 going to make money on the decommissioning.

13 MR. SACHS: Beat that dead horse.

14 MR. GUNDERSEN: So, as Bill Sorrell said,
15 who is watching the cookie jar, and I think because this
16 is an LLC, you've allowed the horse to be out of the
17 barn there, and the door needs to be closed. Thanks.

18 MR. CAMERON: Okay, thank you, Arnie.
19 Leslie?

20 MS. SULLIVAN SACHS: Hello. My name is
21 Leslie Sullivan Sachs.

22 SPEAKER: The microphone closer.

23 MS. SULLIVAN SACHS: Thank you. My name
24 is Leslie Sullivan Sachs. I'm a stakeholder in Vermont
25 Yankee decommissioning. I live five miles from Vermont

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1 Yankee in Brattleboro, Vermont. I'm a member of the
2 Safe and Green Campaign.

3 This has pretty much been my life for the
4 last four years, a lot shorter than many of you. But
5 I will be sending you detailed comments at a later date.

6 But while you are here in front of me, and
7 I can look you in the eye, I would like to speak to you
8 from my heart, simply as a human being and a resident
9 of a Connecticut River Valley.

10 What we are doing here together is talking
11 about what could be a future humanitarian crisis and
12 what's certainly, as I was brought up, is considered
13 unethical act.

14 We are talking about leaving tons and tons
15 and tons and tons and tons and tons and tons of
16 high-level radioactive waste in a very tiny village,
17 perched on the Connecticut River in one of the most
18 beautiful places on earth.

19 When I was two years old, the engineers and
20 the scientists and the policy makers started trying to
21 figure out what to do with this waste. I'm going to
22 be 60 years old in two months. We still don't know.

23 You want to take 60 years to figure out what
24 to do with this waste? I'm sorry. This is unethical.
25 This is unconscionable.

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1 We're talking about my Connecticut River
2 Valley, where I gave birth to three children, where my
3 best friend has two grandchildren, one born two weeks
4 ago. Those grandchildren are the ones that are going
5 to be living to go to this license termination hearing,
6 when we finally get a real hearing.

7 I'm not going to be here. Who here is
8 going to be here? You're asking us to trust our Federal
9 Government, the NRC and Entergy to take care of the land
10 and the people and the air and water, that we love.

11 This is a humanitarian crisis, this
12 nuclear waste. This SAFSTOR is a joke. We know what's
13 under that ground now. We know -- we've known what's
14 been under that ground since 2008 and decades ago when
15 there were leaks, when Entergy didn't even own it. Who
16 knows if Entergy is going to be owing it 10 years from
17 now?

18 This is not just rules and regulations to
19 hide behind. This is real. This is really happening
20 to these human beings, and to these families and to this
21 water, air and land.

22 So, I'm sorry I'm shaking while I'm saying
23 this. But that's how real it is.

24 So, you've got my nice comments and they'll
25 be all about the generic environmental impact

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1 statements and they'll be all about why Entergy can't
2 be trusted and how we need an independent auditors and
3 blah-blah-blah.

4 But I stand here before you, and thank you
5 for looking me in the eye, because you're talking about
6 real human beings, real land. It's not just piles of
7 paper. It's not just something I'm supposed to go and
8 search on ADAMS for, if I know the ADAMS number, to read
9 about. Thank you.

10 MR. CAMERON: Thank you, Leslie. We're
11 going to go next to Jim Matteau, Peter Tusinsk and I
12 apologize for mis-pronouncing names, and Chris
13 Campany, and then we'll go to Nancy Braus, Clay Turnbull
14 and Kimberly Medeiros.

15 Do you want to come up here? And this is
16 Jim Matteau, okay.

17 MR. MATTEAU: Thank you. My name is Jim
18 Matteau. I'm a member of the Vermont Nuclear
19 Decommissioning Citizen's Advisory Panel.

20 I have a question and a comment too, if I
21 might.

22 The first question is on the PSDAR. I
23 understand that -- I'll try not to sneeze, excuse me.

24 I understand that it's submitted. Ninety
25 days after the submittal, Entergy can begin the

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1 activities. NRC reviews it, neither approves nor
2 disapproves it, but may ask for more information if
3 something is missing and needed.

4 I'm not questioning Entergy's intent to
5 submit what's needed, and I'm not questioning the NRC's
6 intent here. But it seems possible that at the end of
7 the day, you could be a situation, whether here or
8 somewhere else, when you're simply not getting the
9 information, and if you don't disapprove it and they're
10 allowed to begin 90 days after submitting it, your
11 review notwithstanding, it seems reasonable to ask are
12 there any teeth in this at all?

13 What happens if you simply get nothing in
14 return to your questions, but the 90 days have expired,
15 so off they go? What do you do?

16 MR. CAMERON: Doug?

17 MR. BROADDUS: The situation -- I mean,
18 this is -- depends upon specifically, what the issue
19 was, but there are a number of different actions that
20 we could take.

21 If we either felt that the information
22 wasn't adequate or that it was -- wasn't in compliance
23 with our regulations or wasn't safe to conduct that,
24 and those actions could be anywhere from, like we said
25 originally, asking for information. That would be the

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1 first step that we would take.

2 If there -- if we needed to escalate that
3 for some reason, we could do inspections to look at what
4 -- get some additional information that way.

5 We could go onsite and get the information,
6 if we absolutely needed to. We could then escalate it
7 even further, if needed and again, it depends upon the
8 situation to -- going to -- like something -- an
9 enforcement type of action. We could have a demand for
10 information or even issue them an order, even at that
11 point.

12 So, that -- those are the types of steps
13 that we could take, depending upon the severity of the
14 situation and what -- whether there was, like I said,
15 a health and safety issue that needed to be addressed
16 immediately. You know, that would be the higher level
17 of action that we could take.

18 MR. MATTEAU: So, if I understand it, to
19 paraphrase that, that you don't review and approve --
20 you would review it, but you don't approve the PSDAR,
21 but you might disapprove some of the proposed
22 activities within that, individual activities within
23 the PSDAR, if they don't pass?

24 MR. BROADDUS: Yes, we could do that, yes.

25 MR. MATTEAU: So, the teeth would be at

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1 that level, not at the -- not at the initial review
2 level, in other words?

3 MR. SACHS: Have you ever done that?

4 MR. CAMERON: And a comment?

5 MR. MATTEAU: Yes, my comment on, and I
6 wish, and many times, in -- I've been involved in
7 meetings with -- at the state level, with the Public
8 Service Board and others for some 20 years.

9 I wish that everyone in the audience would
10 be polite and courteous, and I'm sorry that we aren't.

11 At the same time, while we're sitting here
12 tonight, Entergy's VY decommissioning Twitter account
13 is re-tweeting some very snarky comments from this
14 room, taking slams at the state officials while they're
15 up here speaking --

16 SPEAKER: That's nice.

17 MR. MATTEAU: -- and I --

18 MR. SACHS: Who is doing that?

19 MR. MATTEAU: Just as I am -- please --

20 MR. SACHS: Anybody from Entergy?

21 MR. MATTEAU: Just as I'm asking people in
22 the audience to behave --

23 MR. SACHS: Me?

24 MR. MATTEAU: -- I really would like Entergy
25 to be a little better behaved on the internet. Thank

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1 you.

2 MR. CAMERON: Thank you, Jim. Peter?

3 MR. TUSINSK: Yes, my name is Peter
4 Tusinsk, Planning Board Town Leyden. We're not in the
5 State of Vermont. We're just over the border in
6 Massachusetts.

7 The Planning Board has been asking for
8 months now, since the plant has closed, what was the
9 main concerns of its citizens, and the EPZ is one of
10 the main concerns.

11 We're a rural community. Many of us make
12 our living farming. We have livestock, cow, cattle,
13 chickens, pigs and everything else, and we rely on the
14 expertise of those who are running Entergy's Yankee
15 plant here, to inform us of any -- what would you call
16 them? Hazards? Mistakes? Occurrences that might
17 take place, that might involve an evacuation, that
18 might involve people from our elementary school
19 leaving, and we are well within the 10 mile radius. The
20 entire town is.

21 So, the main concern was that we maintain,
22 as others have said, it's only \$10 million I guess, for
23 the five year period, that you would be offloading the
24 fuel from the spent fuel pool, to dry cask storage.

25 But also one of the concerns was that on

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1 the time frame. It seems like we're going to have a
2 60 year waste dump, and we're going to live within 10
3 miles of it.

4 It was stated by the young woman that spoke
5 before me, that we all love this Connecticut River
6 Valley. We don't want to see it degraded with a
7 long-range nuclear waste dump.

8 We've also listened to Mr. Gundersen, who
9 said that the total decommissioning process could take
10 a lot less than 60 years.

11 I would like to impart these ideas to the
12 NRC. It's a rare occasion to see you folks, and have
13 you take it seriously, that we live here and we don't
14 want that. We want the Government to take the
15 responsibility of long-term waste storage and get the
16 damn thing out of this area, period. Thank you.

17 MR. CAMERON: Okay, thank you, Peter, and
18 Chris, and just pronounce your last name.

19 MR. CAMPANY: Sure. It's Chris Company,
20 Executive Director Regional Commission. We're the
21 host Region for the plant.

22 I have a question and then a -- well, a
23 couple of questions.

24 First, the PSDAR makes reference to the
25 generic EIS, and or actually, I think it -- NRC and

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1 Entergy have both referred to being within the bounds
2 of applicable environmental impact statement world.

3 Can you tell us exactly what EIS's, and if
4 not now, some kind of exactly --

5 SPEAKER: No, now.

6 MR. CAMPANY: -- what EIS's are applied --
7 the reason not necessarily now is, I want this to be
8 very specific.

9 Is it just a generic NUREG to EIS, or are
10 there other EIS's that we should be looking at, to see
11 what has been done?

12 MR. CAMERON: And Jeff, just introduce
13 yourself to us. This is the NRC environmental expert.

14 MR. RIKHOFF: Good evening, folks. My
15 name is Jeff Rikhoff. I'm an environmental reviewer
16 for the NRC, and I heard you question -- earlier, I saw
17 a video of the NCAP meeting.

18 The site-specific document that you should
19 be looking at is the license rule site that was
20 conducted a few years back.

21 MR. CAMPANY: Two-thousand-seven?

22 MR. RIKHOFF: Yes.

23 MR. CAMPANY: That's a supplement to the
24 generic one?

25 MR. RIKHOFF: The supplement to the

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1 generic license renewal guidance.

2 MR. CAMPANY: Okay, finally discovered
3 that today.

4 MR. RIKHOFF: Okay.

5 MR. CAMPANY: Is that the only one we need
6 to look at?

7 MR. RIKHOFF: That's the only one that's
8 recently available.

9 MR. CAMERON: Okay.

10 MR. CAMPANY: And the other thing I guess
11 I would add -- I would ask the NRC to do is convene the
12 host regions and the host states to look at whether or
13 not the regulations guiding decommissioning in the
14 current modern time text are sufficient, and whether
15 or not they actually accomplish goals, in terms of --
16 as far as public interest, public health, safety and
17 welfare.

18 Our concern, I think it's worth revisiting
19 those rules and regulations, especially since you're
20 going to have a number of plants likely coming offline
21 and as Chris Recchia and others have mentioned, we're
22 now in this environment of merchant plants.

23 One of the questions I have frankly is,
24 where is the funding going to come from for the state
25 agencies to provide oversight and review of the actual

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1 decommissioning process, because that used to come from
2 rate payers, at least as far as I understand, the way
3 public utilities would deal with this in the past.

4 How does that work with the merchant plant,
5 and I would hope that those costs aren't going to be
6 externalized and they're not going to have to be born
7 by the decommissioning trust fund, to further delay
8 that.

9 So, there are number of issues I think
10 nationally, we need to get a handle on.

11 MR. CAMERON: Thank you, Chris. Could we
12 have a quick answer to that last point, about where the
13 funds for the state oversight and review come from, when
14 you're talking about a merchant plant?

15 MR. BROADDUS: I don't think I can speak
16 to that. I'd have to --

17 MR. CAMERON: Okay.

18 MR. BROADDUS: -- get back to you.

19 MR. CAMERON: Okay, do you have say on it,
20 Doug?

21 MR. BROADDUS: I can comment on the --

22 MR. CAMERON: Speak into the --

23 MR. BROADDUS: So, you did mention about
24 revisiting rules and such.

25 I just wanted to make you aware, the NRC

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1 has just initiated -- just recently started the initial
2 phases of rule making activity of the decommissioning
3 rules.

4 Our rules right now are primarily set up
5 for operating plants. There are some regulations
6 specific to decommissioning, but the process to go from
7 an operating plant to a decommissioning facility is not
8 well described within the regulations.

9 So, we've had to do it on basically,
10 essentially through a case-by-case basis of license
11 amendments, exemptions and other types of actions.

12 So, we are embarking on our rule making
13 activity to try to address that and have the regulations
14 more effectively address that transition period.

15 SPEAKER: Can I just say, could those
16 rules also -- would those rules also potentially apply
17 to Yankee and Kewaunee and Crystal River and San Onofre,
18 the ones that are --

19 MR. BROADDUS: It's a lot -- some of the
20 -- some of what has happened already, you know, is --
21 has -- would be -- you know, some of those activities
22 have already occurred for those plants, and in fact,
23 some of those activities are -- had occurred and are
24 in the process of occurring for Vermont Yankee, as well,
25 because we don't have the rules yet.

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1 The rule -- a rule making process will take
2 a set number of years to complete. So, we don't see
3 that the rule would be finished by the time that these
4 plants are in the transition process. But there may
5 be parts of the rule making -- and again, we're in the
6 initial phases. So, we're still looking -- we'll have
7 to do a scoping and define the overall scope of the rule
8 and everything.

9 So, that's going to happen, as we got
10 throughout this process, but there could be other
11 activities later on in the time, that could be -- could
12 impact those plants.

13 MR. CAMERON: Okay, thank you, Doug, and
14 I would just say, and thank you, Chris.

15 I would -- did you want to add something?

16 MR. WATSON: Yes, I just want to add one
17 small part of this, and part of this rule making
18 activity directed by the Commission, is that we also
19 look at the present rules in evaluating, which includes
20 the SAFSTOR's and other things.

21 So, it's going to be a while, but it takes
22 a lot of analysis sometimes, to evaluate those, but it's
23 also in the package to look at.

24 MR. CAMERON: Okay, and just -- we have
25 some final information for you, perhaps. This is Shawn

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1 Harwell, NRC staff.

2 MR. HARWELL: How you doing? Shawn
3 Harwell, an analyst with the financial analysis and
4 international finance branch.

5 I want to be clear when I said I'd have to
6 get back to you on that. The trust funds are
7 specifically for -- sorry about that. Better?

8 All right, sorry, about that.

9 MR. SACHS: Are you the guy that
10 transferred money to the Cayman Islands every night?

11 MR. HARWELL: So, to answer your question.
12 I'm trying to.

13 The decommissioning trust funds are for
14 decommissioning, radiological decommissioning.
15 They're not for paying taxes. They're not for
16 non-radiological decommissioning activities.

17 That being said, to completely answer your
18 question, I'd have to go back and look at past instances
19 and to see how other plants or other licensees funded
20 those, to answer your question. I can't say that. I
21 don't know. I'd have to look that up.

22 But as far as the decommissioning trust
23 fund goes, and to answer your question, decommissioning
24 trust funds are for radiological decommissioning.

25 MR. CAMERON: Okay, thank you very much,

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1 Shawn, and I just want to note that the NRC staff is
2 here listening and there is -- we have other NRC staff
3 in the audience.

4 But you hear some of the concerns. When
5 the formal part of the meeting is over, if the person
6 who asked the particular question, if you have any
7 information or you want to find out more about what
8 their concern is, please go and talk to them, after the
9 meeting is over.

10 But at least in terms of before we get
11 kicked out of this place, Nancy. Nancy Braus and then
12 Clay Turnbull and then Kimberly Medeiros. Nancy?

13 MS. BRAUS: Hi. This also, what I'm
14 saying also pertains to the new world of merchant plants
15 being decommissioned.

16 So, it seems like we may or may not have
17 answers here, but I've been thinking a lot about how
18 the vast majority of corporations that existed 60 years
19 ago are ancient history at this point, and I feel like
20 -- there are a lot of us that feel like the changes that
21 Entergy will be present 60 years from now are far from
22 100 percent, and some people feel much, much farther
23 from 100 percent, whether it's in the LLC form that runs
24 the nuke or whether it's the larger corporation of
25 Entergy.

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1 So, the assumption is that the
2 decommissioning fund is going to grow over this period
3 of time, over the 60 years, to the point of being able
4 to fully clean this site.

5 There are so many questions with that. So
6 many assumptions with that, that are potentially
7 faulty. One is the fact that they've just discovered
8 this pool, the Strontium-90 and Cesium and who knows
9 what else, under this off-gas building.

10 If this is left to spread for 60 years, who
11 knows what the extent of that clean up is going to be.
12 Who knows if it's going to extend, you know, way up the
13 cost of the clean up, and should Entergy no longer
14 exist, I've talked with representatives and my
15 Senators, our Congressmen, I've talked with people at
16 the State. Nobody really has any idea.

17 What happens if Entergy does what they just
18 said they would do at the state, and if they exist, walk
19 away. If they don't exist, what happens if there is
20 not enough money in the decommissioning fund?

21 Is that just -- does that mean that the
22 State of Vermont picks it up? Does that mean -- who
23 is -- you know, who is picking that up for Entergy?

24 I mean, I feel like the SAFSTOR is
25 definitely way for Entergy to get out of its financial

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1 liability, should this -- the stock market not go up
2 high, should -- you know, should anyone -- any one of
3 one-million things could happen.

4 Should this underground -- the underground
5 contaminants prove to be a lot more extensive than what
6 we know now.

7 So, I just feel like it's something that
8 just should not be left to chance. Sixty years from
9 now, we do not know what the corporate environment is
10 going to be for Entergy and I feel like for a small state
11 like Vermont, which is not growing particularly fast
12 financially, it's not growing particularly fast,
13 one-billion charge onto the State of Vermont is a huge
14 amount of money we're talking about, and I don't know
15 at this point, under your regulations, who else is going
16 to get stuck with the money to decommission an orphan
17 nuke in 60 years?

18 MR. CAMERON: Thank you, Nancy. Clay?
19 Is Clay here?

20 SPEAKER: I was told at the last meeting
21 that the financial portion would be --

22 MR. CAMERON: Wait. Come on, now.

23 SPEAKER: Okay, I'm sorry.

24 MR. CAMERON: Nancy?

25 SPEAKER: I didn't hear it.

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1 MR. CAMERON: And just --

2 SPEAKER: I'm sorry.

3 MR. CAMERON: Just state that question
4 explicitly.

5 SPEAKER: Okay, the question is, when I
6 brought this up at the NCAP meeting, somebody said that
7 the person, which I think is you, who has financial
8 experience with the NRC, would be able to address this
9 question of what happens, should Entergy no longer
10 exist? Should Entergy in 60 years say, "We're walking
11 here," and the decommissioning fund is not adequate?
12 What is the answer to this? What's the answer?

13 MR. CAMERON: Shawn Harwell, again.

14 MR. HARWELL: Hi. Shawn Harwell again.

15 The best way to answer your question, I
16 would say is that we're concerned with the radiological
17 decommissioning, just as you are.

18 MR. SACHS: Is Entergy goes belly-up, what
19 are you going to do?

20 MR. HARWELL: The growth of the fund --

21 MR. SACHS: That's the question.

22 MR. HARWELL: -- as it is --

23 MR. CAMERON: Let him try to answer the
24 question, please.

25 MR. HARWELL: We have reasonable

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1 assurance to think that there will be enough money.

2 Should something like that happen in 60
3 years, we would not let someone walk away --

4 MR. SACHS: They're at the top of their
5 game now.

6 MR. HARWELL: -- from their
7 responsibilities.

8 MR. SACHS: They're going no place but
9 down.

10 SPEAKER: All right, stop.

11 MR. HARWELL: There are alternative legal
12 methods that could be taken, but we would not let anyone
13 walk away from that type of responsibility. That, I
14 can assure you.

15 SPEAKER: Yes, I do have a follow up, which
16 is to quote Chris Recchia, at the NCAP meeting, which
17 is, if you know, you can say I am the most responsible
18 parent in the world, but when I'm dead, I'm dead. My
19 responsibilities are -- you know, no one can come after
20 me.

21 If Entergy is gone, if it's wiped out, if
22 it's Enron, then --

23 MR. SACHS: You'll be dead.

24 SPEAKER: -- you know, what happens?

25 MR. SACHS: I'll be dead. You'll be dead,

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1 Chip. You'll be dead. Everybody in this room is dead.

2 SPEAKER: Stop it.

3 MR. HARWELL: Again, while it's a serious
4 question, I understand your concerns.

5 There are many hypothetical's and many
6 speculative -- a lot of speculation in that, and it
7 would be hard for to us to address that --

8 MR. SACHS: You need to.

9 MR. HARWELL: -- at this time, when we --

10 MR. SACHS: You're the man --

11 MR. HARWELL: -- when all I give you is --

12 MR. SACHS: -- to address this.

13 MR. HARWELL: -- that we would not let them
14 out -- we would not let -- I think --

15 MR. CAMERON: I think we need to --

16 MR. SACHS: Do it now.

17 MR. CAMERON: -- go on. Why don't --

18 MR. SACHS: No, we need an answer, Chip.

19 SPEAKER: Just one more question.

20 MR. CAMERON: Okay.

21 SPEAKER: Okay, I'm done.

22 MR. CAMERON: Nancy, okay.

23 SPEAKER: We need to know now.

24 MR. CAMERON: Okay, all right.

25 SPEAKER: No good answer.

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1 MR. SACHS: You don't have an answer,
2 clean it up now.

3 SPEAKER: Yes.

4 MR. SACHS: What's with this crap? Come
5 on.

6 MR. CAMERON: Clay Turnbull. Here comes
7 Clay, and then Kimberly Medeiros. This is Clay. You
8 can use this.

9 SPEAKER: I'm going to stand right here.

10 MR. CAMERON: Do you want to stand right
11 here or you want to stand over there? You can stand
12 wherever you want.

13 SPEAKER: I'd rather stand there.

14 MR. CAMERON: Good, there you are.

15 MR. TURNBULL: Great, thank you. Good
16 evening. Thanks for coming.

17 I'll start with just a little humor. This
18 is Vermont's idea of bottled water. It comes from a well
19 at my house.

20 All right, yes, I will speak up. Thank you
21 for requesting that.

22 So, I'm a member of New England Coalition
23 on Nuclear Pollution Board of Trustees. Proud to say
24 that I'm walking in footsteps for fore-fathers and
25 mothers that I'm really proud of.

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1 As of 2011, NRC certified that Entergy
2 Vermont Yankee has enough money in the decommissioning
3 fund, when coupled with a parent guarantee to commence
4 decommissioning at around 650 million.

5 Entergy represented to the State of
6 Vermont that Entergy would make a good faith effort to
7 shorten the time, to beginning decommissioning as much
8 as possible. The key being when Entergy determined it
9 had accrued sufficient funds, Entergy then chose the
10 most extreme case scenario from among its TLG
11 decommissioning estimates and announced that
12 decommissioning would require \$1.24 billion.

13 This is a striking contrast to the
14 decommissioning of two, two Exelon Zion reactors in
15 Illinois, that are now under decommissioning with the
16 target cost of about \$800 million for both reactors.

17 Admittedly, the specially created
18 decommissioning company is having trouble keeping on
19 its financial track, but the contrast is still
20 remarkable.

21 The decommissioning contractor, Zion
22 Solutions said recently, in an NRC filing, that they
23 were doing the decommissioning at cost and would not
24 look to take a profit, unless there was a surplus.

25 Could this be the case -- the cause of the

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1 huge disparity in decommissioning estimates? Is
2 Entergy planning on taking a profit? If so, how much
3 would that be, when comparing NRC's figures and Zion
4 figures and Entergy's?

5 Wouldn't Entergy reach the top-off point
6 in the decommissioning fund that much faster, if it
7 renounced skimming it for profit? It, being the fund.

8 The people -- and this is key, the PSDAR
9 does not show how much Entergy will be paid over cost,
10 and by the way, during the state certificate of public
11 good MOU hearings, our technical expert Ray Shaddis
12 cross-examined Michael Toomey of Entergy, every which
13 way he knew how, but could not get him to say whether
14 Entergy would or intended to make money on this
15 decommissioning. Thank you.

16 MR. CAMERON: Thank you, Clay. Thank
17 you. Kimberly, do you want to --

18 MR. SACHS: What's the answer?

19 MR. CAMERON: No. Kimberly, do you want
20 to come up?

21 SPEAKER: I have no comment.

22 MR. SACHS: That's all we're here for.

23 SPEAKER: It's not just comments, it's
24 questions.

25 MR. CAMERON: Yes, questions and

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1 comments.

2 SPEAKER: Maybe the NRC representatives
3 can address Clay's comment.

4 MR. CAMERON: Clay? Where are you?
5 Okay, Clay, do you want to -- you may comment. NRC is
6 listening.

7 Can you characterize the question you
8 would like them to answer?

9 MR. SACHS: How much profit is Entergy
10 making off decommissioning?

11 MR. CAMERON: Interesting. I want to
12 make sure -- I want to make sure that they hear the exact
13 question he wants answered, okay.

14 MR. TURNBULL: This process tonight is not
15 anywhere near a venue adequate to get an answer to the
16 question of how much would Entergy be making if they're
17 going to make money on this decommissioning, because
18 I could be told anything tonight, and we're all going
19 to go home and there is nothing on the record. There's
20 nothing under oath. There is nothing with --

21 SPEAKER: Ask it anyway.

22 MR. TURNBULL: -- meaningful -- there is no
23 way to test.

24 Okay, they're asking please, they want the
25 question out there, how much is Entergy planning to pay

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1 themselves from the decommissioning fund?

2 MR. CAMERON: Okay, so, we got a question
3 and I appreciate what you said about this type of forum
4 is really difficult to have a complete discussion of
5 your question, so I took it as a comment, for them to
6 think about.

7 But now, we have a question, and does
8 anybody -- do you guys understand the question? Is
9 there anything that we can say? How about it?

10 SPEAKER: No, it's Chinese.

11 MR. SACHS: Is Entergy entitled to make a
12 profit off decommissioning, is the question. Do you
13 get it, guys? It's okay, I'll step back.

14 MR. CAMERON: Go ahead, Bruce.

15 MR. SACHS: Come on, Joe. What do you
16 think?

17 MR. CAMERON: Okay, we'll --

18 MR. SACHS: Take a guess. What do you
19 think? Give me a good guess. Yes, is the answer.

20 MR. CAMERON: Is there someone hear named
21 Gary Sachs?

22 MR. SACHS: Oh, good, my turn to speak?

23 MR. CAMERON: Not yet. Bruce?

24 MR. WATSON: Let me just say that we're an
25 independent safety regulator. We regulate the safe

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1 decommissioning of the site.

2 Now, there is other costs associated with
3 decommissioning, such as site restoration that are, I
4 think part of the settlement agreement, along with what
5 to do with the money that's left over from that, that
6 we are not a party to.

7 So, we really can't make any comment on --

8 MR. SACHS: Come on, Bruce.

9 MR. WATSON: -- profitability of the -- of
10 Entergy on the decommissioning process, since the funds
11 that they're going to spend that -- that we have -- you
12 know, are looking at when we review the decommissioning
13 cost estimates, are for the safe decommissioning of the
14 site.

15 MR. CAMERON: Okay.

16 MR. WATSON: Don't really have an answer.

17 MR. CAMERON: All right.

18 SPEAKER: You know what that means.

19 MR. CAMERON: Kimberly?

20 SPEAKER: They're represented here.
21 Have them answer.

22 MR. CAMERON: Kimberly? This is Kimberly
23 Medeiros, and next, we're going to go to after Kimberly,
24 we're going to go to Guy Page, Carol Levin, Meredith
25 Angwi, okay, and you can correct me up here for the

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1 record too. Yes, I couldn't read it, and Kevin Kamps,
2 if Kevin is here. I don't see Kevin, but okay,
3 Kimberly, go ahead.

4 MS. MEDEIROS: Thank you. So, I have been
5 working with the Citizen's Awareness Network for 20
6 years. So, I really never stay down, and I went through
7 the Yankee Rowe decommissioning with the NRC, and I was
8 there for when we sued you and we won, and when we won,
9 didn't really change anything. All you did was change
10 your own rule.

11 So, we pretty much stopped dealing with
12 you, but here we are again, and we have no choice in
13 the matter.

14 What I'm asking you to do is to stop acting
15 like you're Ambassadors to the nuclear industry.
16 You're kind of in bed with the -- you pretty much let
17 them do whatever they want to do, and it's been that
18 way as long as I can remember.

19 This is a precedent-setting
20 decommissioning, with Vermont Yankee being a merchant
21 reactor, and I would like you to ensure that this plant
22 is properly cleaned safely, and you need to look for
23 all the contamination. You can't trust a company who
24 is a -- who are proven liars, and I'm sorry to say that
25 that is a true statement.

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1 I would like to reiterate that I agree very
2 strongly that the EPZ needs to stand until the fuel is
3 all removed, and I would like to see this reactor
4 decommissioned, because in 1974 -- I mean, I'm sorry,
5 2074, I would be 100. So, that's kind of crazy.

6 MR. CAMERON: Okay, thank you. Thank
7 you, Kimberly. How about Guy Page and then Carol and
8 then Meredith and then --

9 MR. SACHS: Chip?

10 MR. CAMERON: -- we will go to Gary Sachs.

11 MR. SACHS: Chip?

12 MR. CAMERON: Okay, Kevin, he is here.
13 Okay, Kevin. So, we'll go to Kevin and then Gary Sachs,
14 after hear from Guy, Carol and Meredith, and this is
15 Guy Page, correct?

16 MR. PAGE: Thank you, yes.

17 MR. CAMERON: Okay.

18 MR. PAGE: Thank you.

19 MR. SACHS: Thank you, Guy.

20 MR. PAGE: Let's see. Well, I think the
21 decommissioning put forward by Entergy for Vermont
22 Yankee is thorough, is detailed, will ensure the safety
23 of the public, provide consistent and economic activity
24 at the plant, as well as important environmental
25 benefits, and all of this is good for Vermont.

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1 MR. SACHS: And you want to --

2 MR. PAGE: Two components of the plan --

3 MR. SACHS: -- have them speak to you?

4 MR. PAGE: -- stand out in particular to me.

5 First, Vermont Yankee wants to go the extra mile by
6 building an additional dry cask storage pad, so that
7 by 2020, all spent fuel may be situated in dry cask.

8 MR. SACHS: And it's not the extra mile.
9 It is required.

10 MR. PAGE: The virtual invulnerability of
11 these dry casks to severe weather, earthquakes,
12 terrorist attacks and other threats have been well
13 documented by independent scientific experts.

14 SPEAKER: And not the ones --

15 MR. SACHS: Yes.

16 MR. PAGE: Of note, I want to say in
17 hearing last week, a place made --

18 MR. CAMERON: Look, you just can't get up
19 and be negative, perhaps rightly so. No one is
20 interrupting you. Let him speak without being
21 interrupted.

22 MR. SACHS: He's speaking, and he's paid to
23 speak.

24 MR. CAMERON: Okay, doesn't matter. Go
25 ahead, Guy, please continue.

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1 MR. PAGE: Thank you.

2 MR. SACHS: We haven't heard enough of
3 that.

4 MR. PAGE: At a legislative hearing last
5 week --

6 MR. SACHS: You're doing great, Guy.
7 Keep it up.

8 MR. PAGE: -- Vermont Yankee was applauded
9 by state officials for its decision to move forward with
10 building and maintaining a pad, at an estimated cost
11 of \$150 million.

12 The assumption of this cost for Entergy is
13 to advance the decommissioning process instead of
14 waiting for the U.S. DOE to resolve the issue of spent
15 waste storage. Thus, minimizing the impact on the
16 decommissioning trust fund.

17 I was at a meeting on just -- just in part,
18 the letter that I'll be sending to you, but I was at
19 a meeting last week, very interesting informational
20 meeting that Mr. Gundersen was speaking at, and he and
21 the other gentleman who was running the meeting noted
22 that that decision may very well move up the
23 decommissioning time, and they thought that was a very
24 good idea.

25 Second, Vermont Yankee's decision to

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1 pursue SAFSTOR decommissioning, agreed to the by the
2 2002 memorandum of understanding governing the sale of
3 the plant to Entergy, is a sound safe decision for this
4 reason, because radioactivity decays over time.

5 The longer Vermont Yankee waits to conduct
6 the stated work of decommissioning, the less risk there
7 is, in that sense, of inadvertent contamination.

8 I used to be a roofer, back in the day, and
9 I learned that it's actually not very dangerous up on
10 the roof. It's not dangerous on the ground. The
11 danger is the transition. It's getting from the ground
12 to the roof, and that's like -- that's the actual
13 spade-work of the decommissioning, okay.

14 So, in that sense, waiting, there is
15 nothing wrong with waiting until that -- the decay
16 decreases, the level of radioactivity. I know there's
17 a lot of other considerations that go in there, but from
18 that --

19 MR. SACHS: Electrical.

20 MR. PAGE: -- from the area -- from the
21 perspective of radioactivity decay alone, it does make
22 sense to wait.

23 MR. SACHS: That's not true.

24 MR. PAGE: And my final comment is that I
25 really want to say, and this isn't in the letter either,

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1 but I just wrote down a few notes.

2 MR. SACHS: Way to go, Guy.

3 MR. PAGE: As visitors to our beautiful
4 state, my native state, I am sure on behalf of many of
5 us here, I sincerely apologize to you for these
6 disruptions.

7 MR. SACHS: Me too.

8 MR. PAGE: Okay, I can assure you, it's not
9 how Vermonter's normally do things.

10 MR. SACHS: No, it's not.

11 MR. PAGE: Been to a lot of town meetings
12 and covered them as a reporter, and doesn't matter
13 what's being brought up, you know, a farmer could be
14 listening to a town budget, that he thinks he's knows
15 is going to lose his farm, and still, you do not get
16 up and you do not disrupt and so, I apologize for that.

17 MR. SACHS: Nuclear reactor shut down.
18 Thank you, Guy.

19 MR. PAGE: So, I would --

20 MR. SACHS: Thanks, Guy.

21 MR. PAGE: So, I will give you a copy of
22 this letter and I've also given copies to the media in
23 the hopes that perhaps there might be --

24 MR. SACHS: Maybe somebody cares.

25 MR. PAGE: -- my cross will be shared with

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1 any luck. Thank you.

2 MR. CAMERON: Okay, thank you. Thank
3 you, Guy. Carol Levin, and Carol, you can -- you can
4 hold this or you can stand. Do you want to do this?
5 Why don't you come on up here then?

6 MS. LEVIN: Sure.

7 MR. CAMERON: This is Carol.

8 MS. LEVIN: Okay, I'm Carol Levin and I
9 wish you all a good evening, ladies and gentlemen.

10 My name is Carol Levin and I am from
11 Guilford, which is in the 10 mile zone from Vermont
12 Yankee. My husband, Richard Gottlieb, died February
13 15, 2012 from a bone cancer disease, multiple myeloma
14 with a secondary, more devastating soft tissue disease
15 caused by the multiple myeloma called amyloidosis that
16 affected Richard's swallowing mechanism and his heart.

17 The damage to his heart is what proved
18 fatal, when his heart stopped that day after
19 Valentine's day.

20 We have been big supporters over the years
21 for the local movement, buying and eating and drinking
22 many products grown here in Windham County, and this
23 tri-state area.

24 When it was announced that Strontium-90
25 was found in the wells of the VY plant, I did some

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1 research and found that it main affect is that is a toxic
2 that gets in the ground and the ground water, and then
3 through the grass and other plants that animals and
4 humans eat, and it gets into the bone tissue of humans.

5 Although I'm not absolutely certain, but
6 I'm highly suspicious that the effects of Strontium-90
7 probably caused my husband's cancer.

8 We drank -- we drank milk, ate vegetables
9 and fruit, cheese, chicken and some meat, yogurt, ice
10 cream, all grown and produced locally, and the major
11 workforce impacted by this particular kind of cancer
12 are workers in the oil refinery business, but Richard
13 lived in Southern Vermont for nearly 40 years and was
14 in the solar energy business.

15 I urge all who are involved in the nuclear
16 plant decommissioning, to the Commission, as soon as
17 possible, and to remove and remediate all the toxic
18 materials in the ground, in the ground water and in the
19 aquifers under the property and the buildings, both
20 inside and outside the buildings, including removing
21 the buildings and getting to the underneath land.

22 The two recommendations I have are one, the
23 dry cask containers now being considered a temporary
24 location, but most likely, they will become permanent.
25 They need to be treated and secured now, as if it were

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1 permanent right away, so no harm could come to the
2 community, if they're disrupted.

3 Two, in 60 years, almost none of us are
4 going to be here, probably a dozen of the younger people
5 may still be alive, and the people that are here are
6 going to have to deal with -- not the people here, but
7 the people remaining, who come after us, are going to
8 have to deal with this closed and toxic nuclear plant
9 and its surroundings.

10 We have absolutely no project on what the
11 economy might be 60 years from now. So, please use the
12 funds that are available now, to decommission the plant
13 now. Thank you very much.

14 MR. CAMERON: Thank you, Carol.
15 Meredith, do you want to use this standing, or do you
16 want to use this?

17 MS. ANGWIN: I'll just use this.

18 MR. CAMERON: Okay.

19 MS. ANGWIN: Hi. My name is Meredith
20 Angwin. I have worked in many aspects of energy. I
21 have some patents and control of NOx from gas turbines
22 and I have worked in nuclear.

23 I wanted to say that I hope that you will
24 go with the process that you have to assess what risks
25 are and to be very vigilant about those risks, but not

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1 to assume that because somebody is frightened of
2 something, that it is a risk.

3 For example, smoke. Smoke is not good for
4 anybody. There is no safe level of inhaling smoke.
5 There just isn't, and but if you go with that, you're
6 going to end up with the idea that children can't have
7 candles on their birthday cakes.

8 So, what we have to do and what we have done
9 is, we assess safe levels of this and of that. There
10 is a little bit of urea in all the water you drink, but
11 there is a level for that, and you go right ahead and
12 drink the water, because that's all the water in the
13 universe. Well, I don't know if in the universe, but
14 certainly on the surface of the earth, and that is how
15 we do things.

16 So, what I'm trying to say is, when you're
17 assessing a Strontium -- some Strontium that's been
18 detected or that there is this or there is that, do not
19 look at it as, "Oh my gosh, it's absolutely
20 unacceptable," because anything, you have to realize
21 that there have been rules that have been assessments
22 of what is a safe level, just like there is for
23 everything in the water you drink, and you must
24 vigilantly keep to those rules, but you do not have to
25 say, "Well, just think, if we spent another \$400

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1 million, we could get it down to this and to that."

2 Once it's at the level that has been
3 assessed, that is the right level. Thank you very
4 much.

5 MR. CAMERON: Thanks, Meredith.

6 MR. SACHS: Getting older, Meredith.

7 MR. CAMERON: We're going to go to Kevin
8 Kamps and Gary Sachs, and Claire Chang and Bob Picard.
9 Kevin? Standing?

10 MR. KAMPS: Yes.

11 MR. CAMERON: Okay.

12 MR. KAMPS: Well, actually --

13 MR. CAMERON: Do you want to use this?

14 MR. KAMPS: -- can I use that?

15 MR. CAMERON: Yes, sure.

16 MR. KAMPS: Okay, thanks so much, Chip.

17 Hello. My name is Kevin Kamps and I serve
18 as radioactive waste specialist at Beyond Nuclear,
19 based in Takoma Park, Maryland, and I apologize for just
20 getting here. It's taken a while today. There was an
21 NRC meeting all day long on reactor pressure vessels,
22 and I kept having to pull over. I drove up to testify,
23 I couldn't drive and testify.

24 I congratulate, you know, all the folks who
25 had a hand in shutting down Vermont Yankee, because on

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1 December 29th at 12:12 p.m., the reactor risks went
2 away. Well, technically when the fuel came out some
3 weeks later.

4 But the reactor risks are over at Vermont
5 Yankee, and that's really good news.

6 So, that was a part of why I was late, and
7 a public service announcement, I don't know, I just got
8 here. I got to mention about the highway shutdown at
9 Exit 3. You can't get on. So, you have to north, to
10 go north, and there is a five mile line of cars, and
11 that's what took the last hour to get here.

12 So, I have some cheat-sheets to remind
13 myself what to say. These are handouts that are
14 available out in the hallway right there, on the table.
15 I just put them out there. We've got stickers by Yuko
16 Tonohira in Brooklyn, Radiation Not In My Water, that's
17 a sheet, Radiation Not In My Fish, that's a cap,
18 Radiation Not In My Playground, that's a child, and my
19 comments follow along two major themes.

20 One is decommissioning risks and the other
21 is the high-level radioactive waste.

22 So, decommissioning risks, I'm reminded
23 of, of a meeting that happened in Charlevoix, Michigan,
24 a small town in Northern Michigan, when Consumers
25 Energy, who owned the Big Rock Point plant before

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1 Entergy took it over, made a sudden about-face on the
2 decommissioning plans.

3 They went from SAFSTOR, perhaps 60 years
4 of SAFSTOR moth-balling so to speak, to immediate
5 dismantlement, and then they called a sudden meeting
6 and a lot of us got to drive a long ways to get there
7 in time for the meeting.

8 The things I wanted to warn about, lessons
9 from Big Rock Point, and this report that I wrote way
10 back in 2006 is out on the table. It's entitled "Say
11 Yes to Michigan, Say No to the Plutonium State Park,
12 Background on Big Rock Point Nuclear Power Plant".

13 A lot of shenanigans got played at Big Rock
14 Point. The workers weren't told much, if anything,
15 about what they were getting into, while the
16 decommissioning contractor, British Nuclear Fuels,
17 Limited, now a part of the Entergy Solutions empire,
18 was bragging on its own website that Big Rock Point was
19 the dirtiest atomic joint that they had ever
20 decommissioned, which was really saying something,
21 because British Nuclear Fuels ran the Sellafield
22 Facility in England, which is a very dirty radiological
23 mess.

24 So, workers were being told everything is
25 fine, don't worry about it, and at the same time,

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1 British Nuclear Fuels had to take some pretty serious
2 precautions, like not using explosives to dismantle
3 anything because the facilities were so contaminated.

4 So, they ended up spending at that -- it's
5 a small place. It's 70 megawatts electric. They
6 spent \$366 million on the decommissioning. If you do
7 the math, that's many billions of dollars on the
8 decommissioning, and what got left behind?

9 NRC rubber-stamps an unrestricted read,
10 Greenfield Site, they called it, and it's in the report.
11 Plutonium in the soil, plutonium in the groundwater.
12 The thing they don't know is what's in the sediments
13 of Lake Michigan.

14 Big Rock Point, from 1962 to 1997, 35 years
15 was discharging down a canal into Lake Michigan. The
16 NRC, the State of Michigan, the EPA, the companies
17 involved, nobody has checked the sediments in the
18 canal, in the lake, and the title for this paper came
19 from a proposal that was put out there, that this be
20 a state park, and the taxpayers could pay the company
21 \$20 million for a radioactively contaminated parcel of
22 land and bus school kids in. They were going to build
23 a museum, glorifying the atomic age.

24 A lot of us said, "No way, you're not doing
25 it," and they didn't do it. We stopped them.

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1 So, there's a lot of lessons from Big Rock
2 Point. You know, how deep does the clean up go? How
3 shallow is the clean up? How much contamination gets
4 left behind?

5 At Big Rock Point, it's a significant
6 amount of contamination left behind, and when they say
7 'unrestricted reuse', they mean unrestricted reuse.
8 Maternity ward, daycare center for small children,
9 growing food, it's a problem.

10 So, there is a lot of details, I won't get
11 into, but there is a lot of things to watch out for.
12 A previous speaker said the risk is on the ladder. The
13 risk is on the ground, it's on the ladder, it's on the
14 roof, and there is pitfalls at every step, and the
15 workers again, are going to be on the front line of these
16 risks.

17 So, another handout we have out there on
18 the table, 'Your Nuclear Workplace, Know Your Risks,
19 Know Your Rights', radiological protective gear,
20 you're entitled to, and contacts for more information.

21 The final handout that I have out there is
22 'Ionizing Radiation', a chart as to where the
23 radio-nuclides go and a previous speaker just now
24 mentioned Strontium-90, going to the bone. Some of
25 these shorter-lived radio-isotopes, because the

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1 reactor shutdown, they will dissipate and be gone, but
2 some of these risks are, of course, forever, really.

3 I mean, Iodine-129 is forever. It's 157
4 million years, 1,314 million years, it depends on if
5 you multiply that by 10 or 20, and there is a chart in
6 the report that gives those half-lives and then times
7 10, then times 20, and that's the contamination that's
8 out there.

9 You know, they check the sediments. They
10 should check the soil, the groundwater, the sediments
11 of the Connecticut River.

12 I was lucky enough, or unlucky enough to
13 go to the technical meeting, where Consumers Energy,
14 the previous owner of Big Rock Point, met with the NRC
15 at NRC Headquarters. This is around 2005, and
16 Consumers Energy said to the NRC, "Lake Michigan is not
17 our property, so, we're not responsible for the
18 contamination out there, right," and the NRC said,
19 "Yes," and that's how that decision went down.

20 So, whose property is the Connecticut
21 River? Who owns the contamination that's in the
22 sediment to the -- of the Connecticut Rivers? Who owns
23 the contamination that's in the flora and the fauna and
24 food chain? This very discussion is underway in Japan.

25 Who owns the contamination that came out

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1 of Fukushima Daiichi. A golf course sued Tokyo
2 Electric Power Company for contaminating the golf
3 course, saying, "Guess what, guys? We didn't create
4 this stuff. You did. So, the lawsuits are many over
5 there.

6 The last thing I wanted to talk about is
7 the high-level radioactive waste.

8 The pool is a very risky place. You lose
9 cooling water through a southern drain-down, as by the
10 drop of a heavy load, which almost happened at Vermont
11 Yankee several years ago, almost happened at Palisades
12 in Michigan, back in 2005, and the NRC was complicit
13 in the cover-up for many months.

14 So, the drop of heavy loads is a real
15 danger. You lose the water in a great big hurry, and
16 that waste can be on fire in a matter of hours, if not
17 sooner, and there is no contingency because when the
18 water is gone, the radiation shielding is gone. The
19 dose rates near the pool would be something like 10,000
20 rem an hour. You're dead in seconds, if you approach
21 it.

22 That was the whole problem at Fukushima
23 Daiichi. I happen to be in Montpelier on Saint Patrick's
24 Day 2011, because we had a Chernobyl photo exhibit, long
25 planned. It was the 25th anniversary of Chernobyl.

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1 So, that was the night that the Japanese
2 self-defense force helicopters were trying to drop
3 seawater by helicopter, onto the pool of Unit No. 4 at
4 Fukushima Daiichi, very reminiscent of what happened
5 at Chernobyl, the dropping of, you know, fire-retardant
6 materials from helicopters, and it was because there
7 was tremendous concern that Unit 4's pool was empty of
8 water, that it had drained, and now the official version
9 of things is that, no, the water was always there.

10 Well, there must have been a concern, if
11 they went to such great lengths and such great risks,
12 putting those pilots at such great risks, to try to drop
13 that water in there.

14 So, if you have a sudden drain-on, if you
15 have a slower motion boil-down and you lose the water
16 that way, and again, at Fukushima Daiichi, they were
17 without electricity to turn the lights on in the control
18 room for like 10 days, let alone to run the cooling water
19 pumps on the high-level radioactive waste storage pool.

20 So, a fire in the pool and the waste is
21 supposedly going to be out of there by 2020, but that's
22 five more years of pool risks at Vermont Yankee, and
23 then once the irradiated fuel moves into dry cask
24 storage, that's where the risk moves to.

25 Granted, it's a reduction of risk, but the

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1 risk is not zero, far from it, because NRC regulations
2 on dry cask storage don't require safeguards against
3 terrorist attack, the some -- if attackers were to show
4 up with anti-tank missiles, they could blow the dry
5 casks away.

6 It wouldn't be that difficult to create
7 urban walls around the dry cask storage to prevent line
8 of sight attacks.

9 MR. SACHS: Right.

10 MR. KAMPS: And there was enough public
11 pressure in places like Prairie Island, Minnesota, with
12 an Indian reservation 100 yards away from the nuclear
13 power plant, that the urban walls were put in place,
14 preventing line of sight attack.

15 They have those as well, out at Palo Verde
16 in Arizona. This can be done. It's not very
17 expensive. I have an uncle in Michigan with a Bobcat
18 who would do it for \$50,000 and be very happy about it.
19 I mean, jobs, right?

20 MR. SACHS: Only in elementary school.

21 MR. KAMPS: So, the last thing in want to
22 say about the dry casks, and then I'll sit down, is the
23 hold tanks.

24 We have known since the year 2000, when in
25 had the honor of meeting Oscar Sarante, January of 2003,

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1 when I met him. Oscar Sarante worked for Exelon,
2 Commonwealth Edison in Chicago. He was their lead
3 quality assurance inspector, and he got tasked to do
4 the quality assurance inspection on the hold tack dry
5 cask fabrication facility, in the Pittsburgh area.

6 He led an audit with a dozen other
7 auditors, one each from the utilities in the country
8 using hold tacks, and in a short three-day audit, they
9 found nine major categories of quality assurance
10 violations.

11 NRC had just done a QA audit not long
12 before, found nothing wrong. Everything is fine.
13 Just one example was the welds on the hold tacks.

14 The fabrication facility called U.S. Tool
15 & Dye was cooling the welds in baths of water, putting
16 fans on them, introducing brittleness into the welds.

17 The people doing that work were not
18 qualified to be doing that work. The materials they
19 were using were not quality assured, but they don't know
20 where those materials came from, what impurities were
21 in those materials.

22 So, Oscar Sarante, and he was backed up by
23 Dr. Ross Landsman of the NRC Chicago Office, dry cask
24 inspector, they have major questions about the
25 structural integrity of the hold tacks sitting still,

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1 going zero miles per hour onsite storage, let alone
2 going 60 miles per hour or faster on the rails, which
3 NRC has certified them for to carry this stuff to Indian
4 reservations out west, for example.

5 So, my bottom line, all you vigilant folks
6 here who shutdown Vermont Yankee through your courage,
7 your vision, your creativity, your determination, if
8 anybody could keep on their eyes on this
9 decommissioning process, if anybody could keep their
10 eyes on the risks of high-level radioactive waste, it's
11 you guys, and believe you me, it's going to have to be
12 you guys. It ain't going to be the NRC. It ain't going
13 to be Entergy. They have other motivation.

14 So, thank you very much.

15 MR. CAMERON: Thank you, Kevin. Gary?

16 MR. SACHS: Do you want to ask the question
17 I asked about earlier, or do you want me to?

18 MR. CAMERON: Why don't you do it, about
19 the habitability, right?

20 MR. SACHS: No, I'm actually thinking
21 about what I heard Mr. Bruce Watson say.

22 MR. CAMERON: Oh, okay.

23 MR. SACHS: Mr. Watson said on a webinar
24 last week, that the people who determine whether or not
25 Vermont Yankee is to be decommissioned immediately or

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1 put in SAFSTOR, that is down between the owners and the
2 stakeholders. Did you say that, sir?

3 MR. WATSON: Yes, and let me clarify a
4 couple things.

5 The determination on which strategy that's
6 going to be used for decommissioning is up to the
7 owners. It's also up for them to get the input from
8 stakeholders, such as the state, the local community
9 and the other people who are interested in the
10 decommissioning.

11 With that said, we would hope that they
12 would take some of that consideration into their
13 planning and strategies for doing the decommissioning.

14 So, yes, it's a true statement. Part of
15 that, I also mentioned before is that we encourage the
16 licensee to -- or the state to --

17 MR. SACHS: Actually, I'm okay with the --

18 MR. WATSON: -- seek the Advisory
19 Committee --

20 MR. SACHS: Is it okay for you to stop
21 there?

22 MR. WATSON: No, I want to finish the
23 question.

24 MR. SACHS: But you've already spoken
25 quite a bit, and I haven't had much chance yet.

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1 MR. WATSON: Well --

2 MR. SACHS: I think it's fair that --

3 MR. CAMERON: You've had more time than
4 anybody.

5 MR. WATSON: So, you know, we encourage
6 the formation of a Citizen's Advisory Panel, which the
7 state has done, to inform the public and also the
8 stakeholders, other stakeholders, on the information
9 and work with the utility and the licensee to work on
10 decommissioning issues.

11 MR. CAMERON: Okay, go ahead, second
12 question?

13 MR. SACHS: Well, I wasn't even thinking
14 of asking one, but it's another question, habitability
15 question. How many of those totally decommissioned
16 reactors that have been totally decommissioned, do have
17 daycare centers on them now and are habitable? Main
18 Yankee is not, Connecticut Yankee is not. How many of
19 them are, that you decommissioned?

20 MR. WATSON: I'll answer that. The 10
21 power reactors that have been decommissioned for
22 unrestricted release, meaning the footprint of the
23 reactor itself has been -- the license has been
24 terminated, are available for the owner to decide what
25 they want to do with the property, not the NRC, and they

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1 may invest some of that with the state.

2 Main Yankee donated some of the land to a
3 non-profit organization, which maintains part of the
4 site as a park. Some utilities have elected to build
5 additional generating stations on the property,
6 because they're valuable to them.

7 There is water, cooling water. There is
8 the grid infrastructure. There has also been
9 environmental impact statements done on the property
10 --

11 MR. SACHS: How about a number? A number,
12 sir?

13 MR. WATSON: Well, I'm --

14 MR. SACHS: I'm looking for a number.

15 MR. WATSON: How many have been --
16 childcare centers built on them?

17 MR. SACHS: Yes.

18 MR. WATSON: I don't know. But I do know
19 --

20 MR. SACHS: That's a good answer.

21 MR. WATSON: Okay.

22 MR. SACHS: I appreciate that.

23 MR. WATSON: Because I don't know. I
24 really don't keep up with what they --

25 MR. SACHS: How many are free for people

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1 --

2 MR. WATSON: -- do every day.

3 MR. SACHS: -- to walk on?

4 MR. WATSON: They're all free to be walked
5 on, but they're owned by --

6 MR. SACHS: Except for the --

7 MR. WATSON: -- private property, okay,
8 except for the one I know in Maine, which became a park
9 that is sponsored by --

10 MR. SACHS: Yes, but the reactor --

11 MR. WATSON: -- a non-profit.

12 MR. SACHS: The waste in Maine, the
13 cooling -- the casks are still in a -- you know, bigger
14 than this hotel, not occupy-able space.

15 I wanted to comment on something that Mr.
16 Kamps had said.

17 We had some casks. Actually, we have five
18 of our casks, of the 13 we currently have, which were
19 not property leak-rate tested, and that was told -- that
20 came out from Holtec. How the hell did it get through
21 NRC testing, but they didn't do the leak-rate testing?

22 Do you take your information from the
23 licensees, regarding dry casks also?

24 SPEAKER: Where else do they get their
25 information?

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1 MR. SACHS: Just checking.

2 MR. CAMERON: Anybody?

3 MR. SACHS: Anybody want to answer it?
4 Really, like do you do any work to check the casks?

5 MR. CAMERON: Let's see if we can get an
6 answer to your question.

7 MR. FERDAS: Yes, I'll take that. We do
8 do inspections. There is, as we talked about --

9 MR. SACHS: Once every 25 years?

10 MR. FERDAS: No, no.

11 MR. SACHS: How often?

12 MR. FERDAS: As I mentioned before, we
13 have an inspection program.

14 MR. SACHS: How often?

15 MR. FERDAS: Our inspection program
16 requires us to be onsite for anyone that has dry cask
17 storage on a two year frequency.

18 MR. SACHS: So, you come in, you look at
19 a cask and you leave?

20 MR. FERDAS: No.

21 MR. SACHS: You come in, you open it a cask
22 --

23 MR. FERDAS: No.

24 MR. SACHS: -- you make sure it's sealed
25 correctly?

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1 MR. FERDAS: Let me finish, please. I
2 want to give you an answer.

3 MR. CAMERON: This is not a
4 cross-examination.

5 MR. SACHS: Sure it is.

6 MR. FERDAS: Okay.

7 MR. CAMERON: No, it isn't.

8 MR. FERDAS: What we try to do --

9 MR. SACHS: I want to make sure --

10 MR. FERDAS: -- we are performance based
11 agency, what we try to do is, we align our inspection
12 --

13 MR. SACHS: Relax your shoulders, Marc.

14 MR. FERDAS: -- and actual --

15 MR. SACHS: Relax your shoulders. It's
16 okay. It's okay, Marc. I'm not here to --

17 MR. FERDAS: No, it's also okay to let me
18 finish to answer the question.

19 MR. SACHS: Well, I don't have to. I'm a
20 stakeholder.

21 MR. FERDAS: Let me just --

22 MR. SACHS: You're on my turf.

23 MR. FERDAS: -- answer your question.

24 MR. SACHS: I don't trust you.

25 MR. FERDAS: Let me just --

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1 MR. CAMERON: Do you have another --

2 MR. FERDAS: I'm just curious --

3 MR. SACHS: I got a bunch of other
4 questions.

5 MR. FERDAS: What we do is, we do the
6 inspections when actual loading campaigns are ongoing.
7 For those plants that do not have loading campaigns,
8 after an extended period of time, we do come onsite to
9 review how they're maintaining their dry cask storage
10 system.

11 MR. SACHS: Okay, so, we have five that
12 have -- we not leak-rate tested. What is the effect
13 of that? What is the -- can you tell us -- can someone
14 come back to us, who live here, and tell us the effect
15 of not having had the leak-rate testing on those casks
16 that are here?

17 MR. CAMERON: Gary?

18 MR. SACHS: Are we more likely to have 'x'?

19 MR. FERDAS: I do not know the specifics
20 of that. I was not in charge of the group when that
21 occurred, however, there is an environmental
22 monitoring program around the ISFSI where the radiation
23 levels are measured.

24 MR. SACHS: Thank you, sir, that's good.

25 MR. CAMERON: Gary, how about two more

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1 questions, and then --

2 MR. SACHS: How about I read what I
3 presented, sir? You told me to write them down. I wrote
4 them down.

5 MR. CAMERON: Yes, but --

6 MR. SACHS: For now.

7 MR. CAMERON: Gary, we have like --

8 MR. SACHS: I know you do, but this is the
9 way -- you said you'd be here past nine. This is the
10 way it's supposed to be.

11 MR. CAMERON: Gary?

12 MR. SACHS: Okay, I cite NRC information
13 notice 96-34, in reference to hydrogen explosion in the
14 process of sealing a dry cask 1996-34.

15 I cite 19840113, regarding the fuel rod
16 drop that occurred at Vermont Yankee. That was in
17 1998. I cite NRC 94-12, where the NRC proposes a fine
18 for multiple alleged violations of NRC requirements at
19 Vermont Yankee Nuclear Power Plant in Vernon, Vermont.
20 That's regarding multiple 1993 instances of fuel
21 mishandling at this now closed, thank you very much,
22 reactor.

23 Because of multiple -- "Because of
24 multiple examples of the alleged violations."

25 Also for the silt, etcetera that had

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1 clogged the alternate cooling tower here at VY, "It
2 involved a build-up of silt and debris in the alternate
3 cooling tower basin and suction pit, which left the
4 system inoperable, possibly since 1989." You guys are
5 overseeing it. Possibly you didn't oversee that in
6 those five years.

7 MR. CAMERON: Gary?

8 MR. SACHS: I'm here. This is where I am.

9 MR. CAMERON: Wait a minute. I got a guy
10 who can answer some of your questions.

11 MR. SACHS: Great.

12 MR. CAMERON: Okay, this is -- Darrell,
13 introduce yourself.

14 MR. DUNN: My name is Darrell Dunn. I'm
15 with the Office of NMSS in the --

16 MR. SACHS: Can you clarify what that is?

17 MR. DUNN: Nuclear Material Safety and
18 Safeguards in the Division of spent fuel management in
19 the Renewals and Materials Branch.

20 So, my Branch looks at dry cask --

21 MR. SACHS: Do you think the best place in
22 the country to work -- best place in the Government to
23 work?

24 MR. CAMERON: Gary, will you just let --

25 SPEAKER: Gary?

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1 SPEAKER: Leave him alone.

2 MR. SACHS: He can sweat too.

3 MR. DUNN: My Branch looks at, reviews,
4 approves or does not approve renewals of dry cask
5 storage systems.

6 So, you asked about the helium leak-rate
7 testing.

8 MR. SACHS: Yes, I did.

9 MR. DUNN: Okay, so, that should have
10 really never occurred --

11 MR. SACHS: Yes.

12 MR. DUNN: -- and all of the casks that are
13 going to be loaded with Holtec systems will be leak-rate
14 tested.

15 MR. SACHS: How do we know, if those
16 weren't? What can you tell us, to make us believe
17 you're telling me the truth?

18 MR. DUNN: The ones that you've said --

19 MR. SACHS: What can you tell me?

20 MR. DUNN: The ones that you've said were
21 not leak-rate tested were not leak-rate tested.

22 MR. SACHS: Why not? You're overseeing
23 them.

24 MR. DUNN: They just --

25 MR. SACHS: That's your job.

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1 MR. DUNN: They should have been leak-rate
2 tested.

3 MR. SACHS: Are you going to swap them out
4 with good ones?

5 MR. DUNN: No.

6 MR. SACHS: Why not?

7 MR. DUNN: So, the leak-rate testing, the
8 casks were backfilled with helium. Helium is an inert
9 gas. It also provides heat transfer.

10 Those casks are low-heat load casks. So,
11 what's the effect of the low-heat-- the lack of helium
12 leak-rate testing on the low-heat low cask? Very
13 little, because there is nothing that's going to happen
14 to the fuel because it's just too cold.

15 Now, if the fuel was hot, that would be a
16 different story, okay but --

17 MR. SACHS: So, how do we know that the
18 casks -- that the most recent fuel that just got
19 transferred in, that's going to be pulled out in five
20 years, how do we know that those aren't going to be put
21 in casks that aren't -- that are helium leak-rate
22 tested?

23 MR. DUNN: They will be helium leak-rate
24 tested --

25 MR. SACHS: How do we know?

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1 15 -- because it is a requirement, because
2 that got fixed.

3 MR. SACHS: They did not do it for those
4 five.

5 MR. DUNN: But that got fixed.

6 MR. CAMERON: Gary? Okay, Gary, thank
7 you. Last --

8 MR. SACHS: Can I just say this?

9 MR. FERDAS: Chip? Chip, just one other
10 thing with that.

11 MR. CAMERON: Okay, go ahead, Marc.

12 MR. FERDAS: And important aspect is that
13 there is NDE testing that was done on those casks --

14 SPEAKER: What is NDE?

15 MR. FERDAS: Sorry, non-destructive
16 examination testing that's done on all the welds, that
17 are made on that cask.

18 So, one, you have those were tested for a
19 structural integrity. The helium leak-rate test is a
20 backup test to that first examination of the welds.

21 So, we do have confidence that those casks
22 --

23 MR. SACHS: Confidence? Wait, sorry.

24 MR. FERDAS: We have confidence that those
25 casks are structurally adequate.

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1 MR. SACHS: We are looking for more --

2 MR. FERDAS: Okay.

3 MR. SACHS: -- than confidence. Can I
4 just --

5 MR. CAMERON: Gary?

6 MR. SACHS: -- say that --

7 MR. CAMERON: Gary, yes.

8 MR. SACHS: I'm not finished. May I
9 finish?

10 MR. CAMERON: I've got to --

11 MR. SACHS: I've got that, to there.
12 That's what I got left. I got there to there.

13 MR. CAMERON: Gary, that's -- is that --
14 those are many questions, right?

15 MR. SACHS: No, those aren't questions.
16 It's bringing things forward that have not been
17 mentioned.

18 MR. CAMERON: Okay, Gary, I'm going to
19 give you a couple minutes.

20 MR. SACHS: Please, fine.

21 MR. CAMERON: To do it, okay?

22 MR. SACHS: Chip, I sat and waited. I
23 done all this crap you told me to do, without --

24 MR. CAMERON: Stop saying that.

25 MR. SACHS: You told me to not make noise.

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1 I didn't make fuckin' noise.

2 MR. CAMERON: Okay, Gary, I'm going to
3 give you the microphone back.

4 MR. SACHS: Yes, thank you.

5 MR. CAMERON: Okay, but we have a bunch of
6 people --

7 MR. SACHS: I am so tired of this crap.

8 MR. CAMERON: -- bunch of people --

9 MR. SACHS: At every meeting --

10 MR. CAMERON: -- waiting --

11 MR. SACHS: -- I can't speak.

12 MR. CAMERON: Waiting to speak --

13 MR. SACHS: People just do what you tell
14 them to do.

15 MR. CAMERON: And I just want to -- if --

16 MR. SACHS: I've got questions, man.

17 MR. CAMERON: If people who have -- if you
18 have questions, you can submit them in writing to the
19 NRC.

20 MR. SACHS: No, Chip, but this is when we
21 get to speak to them. This is what I want them to sweat.

22 MR. CAMERON: Okay.

23 MR. SACHS: Not when they're in their
24 office and you can't see them.

25 MR. CAMERON: Gary? Gary?

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1 MR. SACHS: I got it.

2 MR. CAMERON: You've got two minutes.

3 MR. SACHS: I got it.

4 MR. CAMERON: Okay.

5 MR. SACHS: I got it.

6 MR. CAMERON: You got two minutes.

7 MR. SACHS: Great. I got it. Okay, the
8 end -- nuclear -- where am I? Oh my God.

9 SPEAKER: Gary, thank you for caring so
10 much.

11 MR. SACHS: Thank you. Okay, let's
12 continue to the spectacular cooling tower collapse of
13 2007. I don't need this.

14 The NRC oversaw the spectacular cooling
15 tower collapse and oversaw the repairs. They had to
16 come back in 2008. They had to come back in 2008
17 because they were not able to see. They were doing
18 supervision without the ability to see. You cannot do
19 supervision without vision. Supervision means
20 over-vision. Latin, vision means to see.

21 If the NRC can't see when doing repairs on
22 the plastic cooling towers, then how can they be called
23 -- say that they're doing supervision?

24 Okay, that's another cooling tower.

25 SPEAKER: Gary?

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1 MR. SACHS: Yes.

2 SPEAKER: I want to ask a question.

3 MR. SACHS: The simple thing I want to
4 bring up is that Entergy right now has just been said
5 to be over-bought in the market.

6 What that means is that's the reason why
7 Entergy executives are going and selling hundreds of
8 thousands of Entergy shares. What over-bought means,
9 I didn't know before yesterday, but what over-bought
10 means is they're at the top of their game. From here,
11 Entergy stock goes nowhere but down.

12 We have a nuclear reactor leaking
13 Strontium and we have a company that says they don't
14 want to clean it up.

15 You know, when Vermont Yankee took cable
16 to Vermont in 1967 and said, "We want to run a reactor
17 for 40 years," they didn't say, "We want to run a reactor
18 for 40 years, but not clean it up for 100." No, they
19 didn't say that.

20 You guys are messing with the State of
21 Vermont. It's gross. It's really wrong, what you're
22 doing.

23 MR. CAMERON: Okay, Gary.

24 MR. SACHS: Let me finish what I --

25 MR. CAMERON: Gary?

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1 MR. SACHS: Let me finish.

2 MR. CAMERON: Gary, you've been here for
3 a while.

4 MR. SACHS: I've got the microphone. You
5 don't, Chip.

6 MR. CAMERON: I'll turn the microphone
7 off.

8 MR. SACHS: I'm not surprised.

9 MR. CAMERON: I mean, I think the
10 settlement -- you said a good comment, okay. No, no,
11 no.

12 MR. SACHS: I don't care.

13 MR. CAMERON: You said a good comment.

14 MR. SACHS: Who did?

15 MR. CAMERON: He did. He said, "Thank you
16 for caring," okay.

17 MR. SACHS: Thank you too, Chip. Always
18 great to have you back here.

19 MR. CAMERON: You're welcome. You're
20 welcome. Claire and then Bert Picard.

21 MS. CHANG: So, I have a question. This
22 two credit lines that Entergy is establishing to pay
23 for the transfer of dry cask storage, it's \$145 million?
24 Where is that credit line coming from?

25 MR. LYNCH: Entergy is borrowing money

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1 from two lending institutes, and it's being backed up
2 by the company assets.

3 So, it's no different than you or I
4 borrowing money to pay for, you know, something that
5 we're going to build on our own home.

6 MS. CHANG: So, you don't own those
7 lending institutions?

8 MR. LYNCH: No, they're banks.

9 MS. CHANG: So, how much interest are you
10 paying on those loans?

11 MR. LYNCH: I have no idea.

12 MS. CHANG: Is that interest being then
13 also applied or to be reimbursed through the
14 decommissioning fund?

15 MR. LYNCH: The monies that are being
16 borrowed would be paid for by the litigation against
17 the Department of Energy, because those are costs that
18 we could recuperate for them not meeting their
19 contractual obligations to take the fuel.

20 MS. CHANG: So, let me get this straight.

21 So, there -- okay, so, that's just the --
22 that's just moving the spent fuel from the pool into
23 the dry casks.

24 MR. LYNCH: That's correct.

25 MS. CHANG: Is that what that \$145 million

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1 is for?

2 MR. LYNCH: That's correct.

3 MS. CHANG: So, that's going to be for this
4 next five years?

5 MR. LYNCH: Correct.

6 MS. CHANG: But that's not -- that is this
7 part up here in the pie chart, that's the spent fuel
8 management part? Is that included in that?

9 MR. LYNCH: Yes, out of the \$368 million,
10 about \$143 million is the transfer of the fuel from wet
11 to dry.

12 MS. CHANG: So, but you have that as part
13 of the decommissioning cost of the \$1.2 billion.

14 MR. LYNCH: Billion.

15 MS. CHANG: Billion, sorry. 'B'. So,
16 but you're getting that money back from the DOE, or you
17 will sue them to get the money back?

18 MR. LYNCH: Assuming we're successful,
19 that's correct.

20 MS. CHANG: I don't know that any -- no
21 nuclear reactor owner who has sued the DOE has been
22 unsuccessful, up until this point. They've all gotten
23 their money back, right?

24 MR. LYNCH: I'm not aware of what other
25 licensees have done.

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1 MS. CHANG: Oh, I cannot believe that, for
2 one minute, or even three seconds.

3 MR. SACHS: We get you're lying, Mr.
4 Lynch.

5 MS. CHANG: I'm sorry.

6 MR. SACHS: We think you're lying, sir.

7 MS. CHANG: Okay, so, that money --

8 MR. SACHS: Here's the new Entergy.

9 MS. CHANG: -- it's going to get back from
10 the DOE --

11 SPEAKER: From taxpayers.

12 MS. CHANG: -- right?

13 SPEAKER: Yes.

14 MS. CHANG: That's \$145 million --

15 MR. SACHS: Yes.

16 MS. CHANG: -- that you're borrowing.

17 MR. LYNCH: I'm sorry, there is two people
18 talking at the same time. So, if you can ask the
19 question, I'd be more --

20 MS. CHANG: I'm sure you --

21 MR. LYNCH: -- than happy to answer it.

22 MS. CHANG: -- have been in many
23 conversations where two people have been talking at the
24 same time.

25 MR. CAMERON: Claire, can you just ask

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1 your question?

2 MS. CHANG: I did ask my question. So,
3 the DOE --

4 MR. CAMERON: Just ask your question.

5 MS. CHANG: The DOE is going to give you
6 back this money, that you're including in the cost of
7 the \$1.2 billion to decommission this fund --
8 decommission this reactor, but that money that DOE is
9 giving you back, is that going into the decommissioning
10 fund then, the trust fund?

11 MR. LYNCH: The money would be paying back
12 the creditors that loaned us the money in the first
13 place, to allow us to transfer the fuel from wet to dry.

14 MS. CHANG: But you're including that cost
15 into -- there is something fishy going on here, and I'm
16 not a financial person, so I can't quite put my finger
17 on it.

18 But if you're including those costs in the
19 decommissioning trust fund amount, but somehow, you're
20 not paying for it, but the DOE is paying for it, then
21 why are you including it in this cost that the trust
22 fund has to pay for?

23 SPEAKER: Yes?

24 MR. LYNCH: The overall break down of all
25 the costs are explained in decommissioning cost

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1 estimate.

2 We go through why each cost is costing that
3 it is.

4 MR. SACHS: We think you're full of shit.

5 MR. LYNCH: So, that's part of the PSDAR
6 and it's part of a very detailed decommissioning cost
7 estimate. It explains all the costs, where the
8 monies are coming from and how it's being --

9 MR. SACHS: Subtract \$1.4 million from
10 \$1.24 billion.

11 SPEAKER: Can we get him a microphone?

12 MR. TOOMEY: Give me a microphone.

13 MR. CAMERON: Mike, you want to get on
14 that?

15 MR. TOOMEY: Sure. Mike Toomey from --

16 MR. SACHS: You're a scumbag, Mike Toomey.
17 The behavior you pull up --

18 MR. TOOMEY: In answer to your question --

19 MR. SACHS: -- is crap.

20 SPEAKER: I agree with you, Gary.

21 MR. TOOMEY: The answer to your question
22 is that the \$1.24 is the total cost of the project, which
23 we have identified. When this \$143 million of the
24 project is done, then you'll have less, you'll have \$143
25 less that has to go.

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1 So, the cost of the project after this work
2 has been done will be whatever \$124 billion minus \$143
3 million --

4 MR. SACHS: Good. What is that total?

5 MR. TOOMEY: It's just like the work of
6 anything else.

7 MR. SACHS: What is that total?

8 SPEAKER: It's point-one. It's really
9 the amount that the trust fund is supposed to grow to.

10 MR. LYNCH: Well, it has to grow -- if we
11 are successful in -- we've established a line of credit.
12 We get this funding in place, which we have, we do the
13 work and we get the money back from the DOE, then that's
14 right, that \$143 million will be reduced, will reduce
15 the total cost of the project.

16 MR. SACHS: So, how much of --

17 MR. LYNCH: So, whatever that is.

18 MR. SACHS: What are we looking for?

19 MR. LYNCH: Whatever \$1.24 billion minus
20 \$143 million is, which is approximately \$1. -- whatever
21 -- whatever that number is, right, 1.1.

22 MR. CAMERON: Okay, can you -- thank you,
23 Mike and thank you, Claire. Can you guys talk after
24 the meeting or some time?

25 SPEAKER: We'd like to hear this in

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1 public.

2 MR. SACHS: Yes.

3 MR. CAMERON: Yes, well, I think we're --
4 I think we've heard about enough as we can, right now,
5 and I got to go to Bob Picard.

6 MR. SACHS: You said you were going to be
7 here past nine, and now, you're clocking back on your
8 --

9 MR. CAMERON: No, we're going to be here
10 past nine, but we still have 10 people to go here, or
11 more, okay?

12 SPEAKER: I have a --

13 MR. CAMERON: Bob Picard?

14 MR. SACHS: Let her ask her other
15 question.

16 MR. CAMERON: Wait a minute, Claire, do
17 you have -- you have one more question? Well, go ahead,
18 as your second question.

19 MS. CHANG: Thank you very much.

20 MR. CAMERON: You're welcome.

21 MS. CHANG: I appreciate it. So, but I
22 miss your red vest.

23 MR. CAMERON: Okay, thank you.

24 MS. CHANG: Now, the second question is,
25 Entergy goes belly-up next year. What are you going

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1 to do?

2 MR. SACHS: Come on, NRC.

3 MR. BROADDUS: If I can -- I'll answer one
4 part of that, which is the decommissioning trust fund
5 does not go away if Entergy, the entity goes away.

6 MR. SACHS: Who takes responsibility for
7 it?

8 MR. BROADDUS: Whoever --

9 MR. SACHS: The funding.

10 MR. BROADDUS: -- becomes the licensee
11 after that.

12 MR. SACHS: What if there isn't one? What
13 if it's you?

14 MR. BROADDUS: We will keep -- we will
15 continue to hold Entergy responsible --

16 MR. SACHS: What if Entergy goes belly-up?

17 MR. BROADDUS: -- for that.

18 MR. SACHS: What if there is no Entergy?

19 MR. CAMERON: Let's let -- let's
20 concentrate on Claire.

21 MS. CHANG: Gary's line of questioning is
22 appropriate. I asked exactly --

23 MR. SACHS: This is Nancy's line of
24 questioning.

25 MS. CHANG: Entergy does an Enron and it

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1 implodes. It's not that far-fetched.

2 MR. SACHS: We expect it.

3 MS. CHANG: No one would have expected --

4 MR. SACHS: They're scum.

5 MS. CHANG: -- Enron to have died, no one.

6 So, next year, I'll pick a date for you too. April 1st,
7 2016. Entergy dies. What are you to do?

8 MR. PERSINKO: Well, the first thing I was
9 going to mention is -- let me answer one thing.

10 The trust fund still exists. I mean, the
11 trust fund will still exist when Entergy -- if Entergy
12 --

13 MR. SACHS: It will still be under-funded.

14 MR. PERSINKO: -- was to be gone, but the
15 trust fund will exist and the -- it will be up to the
16 trustee of the trust fund to hire another clean up
17 contractor to clean up the -- to decommission the
18 reactor.

19 MR. SACHS: Up to who?

20 MR. PERSINKO: But it would be another
21 clean up contractor if Entergy --

22 MR. SACHS: Who hires them?

23 MR. PERSINKO: -- did not exist.

24 MR. SACHS: Who hires them? Who hires
25 them?

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1 MR. CAMERON: Gary, come on, stop it.

2 MR. PERSINKO: I'm trying to answer the
3 question.

4 MS. CHANG: He's trying to answer it.

5 MR. PERSINKO: It would be the trustee of
6 the trust fund, I believe.

7 MS. CHANG: So, who is -- --

8 MR. PERSINKO: And the trust fund --
9 excuse me, the trust fund, I believe is Mellon Bank.
10 You know, these licensees have it with separate
11 independent banks. So, the trustee -- that is with a
12 third party. It's not with the NRC. It's not with the
13 licensee. That money is with the third party, okay,
14 and that's who they go to, to get money to do the
15 decommissioning planning and to execute the
16 decommissioning, okay.

17 MS. CHANG: And so, they don't go through
18 you at all?

19 MR. PERSINKO: They advise us when -- or
20 notify us when they're going to -- they want to use
21 funds. They also report to us every year on the health
22 of that fund, and if there is any short-falls, then we
23 will address with the Entergy --

24 MS. CHANG: So, the --

25 MR. PERSINKO: -- to come up with the

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1 short-fall in those funds.

2 MR. CAMERON: I'm going to have to ask you
3 to finish up, okay?

4 MS. CHANG: So, it goes back to this is a
5 merchant plant and that you don't have the rules and
6 regulations in place, and it's our fault that you don't
7 have them in place. It's your fault and you knew years
8 ago, decades ago that this was the scenario.

9 MR. CAMERON: I think you made your point.

10 MS. CHANG: Right?

11 MR. CAMERON: I think you made your point,
12 Claire. Thank you.

13 MR. SACHS: Thank you, Claire.

14 MR. CAMERON: Now, this is Bert? Oh, Bob
15 Dickerman? Did we hear from Bert Picard? Okay, why
16 don't you come -- Bob, come on. Do you -- you're here,
17 and Harvey Sckaktman, Chuck Schwer, Betsy Williams and
18 Michael Granger. This is Bob Dickerman.

19 MR. DICKERMAN: I'm Bob Dickerman. I'm
20 from Northfield, Massachusetts, just over the line.

21 Something I've been seeing in the
22 newspapers down in Greenfield, is these two numbers,
23 \$650 million or so and \$1.2 billion for decommissioning
24 in the trust fund.

25 My question has been, you're saying you

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1 need \$1.2 billion now. You're talking about
2 decommissioning 40 years or 50 years or 60 years into
3 the future.

4 So, my point is that at historical rates
5 of inflation of three percent, we're not going to be
6 spending \$1.2 billion in, you know, 40 or 50 or 60 years
7 from now. It will be more like four times that or \$5
8 billion in 2060 dollars or whatever they are, they're
9 won't be any 2050 dollars around to use at that point,
10 so that will be, you know, 2060 or 2070 dollars and it
11 will require \$5 billion to do the same amount of work
12 that \$1.2 does today, and I wish that was showing up
13 more in the newspaper because people are getting the
14 impression that it's going to be \$1.2 billion, when it
15 isn't.

16 If inflation goes higher than the
17 historical rate, maybe more like in the 70's when it
18 seven, eight, nine, ten percent, then it could be \$20
19 billion at that time.

20 So, I just want to get that out there. I
21 have another question, for you, Darrel. I guess you're
22 the expert on dry cask storage.

23 As I was sitting here, I just began to
24 wonder how does concrete deteriorate over long periods
25 of time, under that high radiation dose from those spent

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1 fuel rods?

2 MR. CAMERON: Okay, Darrel, do you want to
3 provide an answer to that? Thank you.

4 MR. DICKERMAN: Do we have any empirical
5 data, test data, and I guess I have to say, I assume
6 we don't, because no plants have been decommissioned
7 for that length of time.

8 MR. DUNN: Oh, no, we do have -- we do have
9 data, and as part of storing fuel beyond the initial
10 20 year license period for dry cask, all independent
11 spent fuel storage installations and all certificate
12 of compliance holders that provide casks that can be
13 used, like the Holtec systems that are used at Vermont
14 Yankee, they all have to come up with what we call aging
15 management programs, and they have to address
16 specifically, these issues.

17 So, we have -- we are going to issue some
18 revised regulatory guidance. It's NUREG 1927. It's
19 going to be Revision 1 of that, and in that revision
20 to that regulatory guidance, we're also going to
21 include some example aging management programs, and one
22 of them is going to deal specifically with concrete.

23 MR. DICKERMAN: How do you get a reading
24 on that? I mean, because you can't test for 60 years
25 yet. I mean, how do you tell whether your methodology

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1 works?

2 MR. DUNN: There is empirical data for
3 radiation exposure of concrete, as there is for
4 radiation exposure of metals. So, we have empirical
5 data for that.

6 MR. DICKERMAN: Good. Okay, thank you.

7 MR. CAMERON: Okay.

8 MR. DICKERMAN: One other quick question.
9 I want to repeat again to you, Joe Lynch, you're the
10 representative here on the panel from Entergy, right?
11 Yes?

12 MR. LYNCH: That's correct.

13 MR. DICKERMAN: I want to ask you again,
14 does Entergy intend to make a profit on the
15 decommissioning process?

16 SPEAKER: Yes.

17 MR. LYNCH: The cost associated with the
18 decommissioning is an estimate to do the work, and our
19 goal is to do the work with the cost that we have. There
20 is no profit built into that estimate.

21 MR. DICKERMAN: Thanks.

22 MR. CAMERON: Okay, thank you. Bert?
23 You want to use that?

24 MR. PICARD: Sure.

25 MR. CAMERON: Go ahead.

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1 MR. PICARD: Bert Picard, Brattleboro,
2 stakeholder.

3 The NRC, it's interesting. When the State
4 of Vermont had 27 Senators to four vote that they didn't
5 want this nuclear plant here past the 40 years, didn't
6 mean a thing to you. When the Governor didn't want it,
7 didn't mean a thing to you.

8 So, what are you? A Government of
9 occupation, right? Government of occupation. That's
10 what you are. I have no respect for any of you. We
11 all know the revolving door between the industry and
12 the regulators, right?

13 Okay, good. But anyway, I know where I
14 stand. You know, the occupied. But still, I'll say
15 something.

16 First of all, you don't have a plan to get
17 rid of the nuclear fuel, right? You don't have a plan.
18 Entergy is saying, "Oh, we'll start moving it in 2026
19 and we'll be done in 2052." You know, that's a horse
20 and pony show, right? I mean, this is all a crock of
21 you know what, right?

22 You don't have a plan. You don't know what
23 to do with this poison. You've been working on it for
24 years. You don't know what to do. This stuff should
25 have been left alone, right?

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1 Okay, so, that means we basically have to
2 begin to prepare to store this stuff forever, right here
3 on the Connecticut River, in our community.

4 So, what's with these cheap casks? Why
5 not do like in Europe? Why not have the good ones, you
6 know, that you can monitor remotely, that are going to
7 last a while, because this is going to be a while. This
8 is going to be our great, great, great grandchildren's
9 problem, all right.

10 So, what's with the cheap casks? Even an
11 berm seems to be a problem. I don't know, you know,
12 I mean, does that have to be requested on bended knee?
13 "Please, shield the school." Come on. What are we
14 dealing with here? This is a joke.

15 So, first of all, we're going to have this
16 stuff forever probably, you know. The other thing is,
17 your Government is in a mess. Everybody talks about
18 how dysfunctional Congress is, right, and the economy
19 is in a mess. Wall Street is doing real good right now,
20 right? Maybe next year, not so good? Oh well, get a
21 golden parachute, right?

22 Well, Enron -- I mean, Entergy ain't going
23 to be around in 40 or 50 or 60 years. Everybody knows
24 that. Okay, so, what does that mean though?
25 Practically, decommission now with the money that's in

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1 the fund now.

2 Maybe you got to write new rules for
3 merchant plants. So, write the new rules. I mean,
4 just do it. Please, this is -- we're talking about just
5 mitigating a little bit, the problem that we have with
6 this poison, right? So, that's just minimum.

7 So, the time to decommission is now. With
8 the climate change crisis that are coming and all of
9 that, things are only going to get crazier. We don't
10 do it now, it ain't happening. I don't want to know
11 what's going to be going on in 50 years. You know, this
12 thing ain't going to be cleaned up in 50 years. If it's
13 not starting to clean up now, as soon as possible, like
14 2021 or 2026, like Mr. Gundersen said, it ain't
15 happening. That's realistic.

16 So, I say decommission now. Write new
17 rules if you have to. But that's a minimum that we can
18 demand, and from what I've heard tonight, which is just
19 a show to keep the civilians thinking that they got a
20 democracy, which we obviously don't, not as far as you
21 guys are concerned, I would want to see a hearing
22 convened by the State of Vermont that will force Entergy
23 and you guys and everybody else to come and get sworn
24 testimony, to at least get into some of these questions
25 a little bit more in depth. Thank you.

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1 MR. SACHS: Yes.

2 MR. CAMERON: Okay, thank you, Bert.
3 Harvey Schaktman. Okay, Chuck Schwer?

4 SPEAKER: Betsy had to go home.

5 MR. CAMERON: Betsy has gone home?

6 SPEAKER: She's here.

7 MR. CAMERON: Betsy, okay, come on up,
8 Betsy and then Michael Granger will be next, and Chris
9 Myers, Schuyler Gould. This is Betsy.

10 MS. WILLIAMS: I'm Betsy Williams. I
11 live just up the road here, and I don't have any notes.
12 So, I'm just going to speak about a few things, few
13 reactions, no pun intended. All right, pun was
14 intended.

15 Couple of things, just reactions of things
16 that have been said. I have to say, I find it -- when
17 we're talking about one of the most dangerous
18 substances known to human kind and I would really invite
19 anyone to disagree with me on that, that's what we're
20 talking about. The most dangerous substances that are
21 known to human kind.

22 I find it more than a little insulting,
23 when it's compared to birthday cake candles.

24 We do have reason to have concern here,
25 very good reason to have concern, and when, sir, I would

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1 -- I have to respectfully say to you, when you tell me
2 the casks will be adequate, that does not give me great
3 assurance.

4 I am looking for a hell of a lot more than
5 adequate. I want to know that that thing is not going
6 to crack and I want to know that when the Connecticut
7 River floods, that nothing will happen to that
8 radioactive waste that's sitting under water in a flood
9 plain.

10 I want to know when some idiot flies a plane
11 into it, that it's not going to irradiate this entire
12 region. Can you give me that assurance? I don't think
13 so.

14 When I'm told that basically we have no
15 right to say anything about our safety, because you guys
16 control our safety, we're not allowed to jay-walk but
17 by God, we better not talk about safety of nuclear
18 plants. I've had enough.

19 The level of my distrust and venom and how
20 disrespected we have been is just -- it's a very deep
21 well. We have made it so clear in this state, that we
22 want some control over what happens at this site, and
23 we have been -- had the doors shut on us over, and over,
24 and over again by you guys. "Nope, you don't have
25 control," and when we do get one tiny little leverage

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1 point of control, we get sued.

2 SPEAKER: Bastards.

3 MS. WILLIAMS: By the people who told us
4 they wouldn't, "Of course, we're not going to follow
5 eminent -- we're not going to go that route. We're
6 trustworthy. We're going to be partners with
7 Vermont." Well, hey, it didn't quite go your way, did
8 it? So, we sued -- they sued us.

9 I would like to have some evidence, some
10 time that you guys give one bit of a damn about anything
11 any of us have to say, because I haven't seen it yet.

12 MR. CAMERON: All right, Betsy Williams.
13 Michael Granger? Chris Myers?

14 SPEAKER: He's gone.

15 MR. CAMERON: Schuyler? This is Schuyler
16 Gould. Do you want to use this, Schuyler?

17 MR. GOULD: Thank you. Schuyler Gould of
18 the Vermont Yankee decommissioning audit.

19 In Section 3 of the PSDAR, Entergy
20 commenced to begin decommissioning when the nuclear
21 decommissioning trust funds, "Are adequate to complete
22 decommissioning and remaining spent nuclear fuel
23 management activities that the Federal Government has
24 not yet agreed or been ordered to reimburse."

25 This statement and others clearly makes

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1 the assumption that Entergy has the right to use
2 decommissioning funds for spent nuclear fuel
3 management activities.

4 On May 20, 2009, Mr. Jay Faer, Entergy
5 Executive, was asked before the Vermont Public Service
6 Board, sworn testimony, "Would you also agree with me
7 that the definition of completion of decommissioning
8 excludes spent fuel management and site restoration?"
9 "Yes."

10 So, my question to Mr. Toomey, if I might
11 ask, when did Entergy's notion that -- and on what basis
12 did Entergy change its notion that fuel management
13 activities would be allowed to be charged to the
14 decommissioning fund?

15 My question to the NRC is, where does it
16 in NRC regulations, say that it is appropriate and legal
17 for Entergy to use decommissioning funds for spent
18 nuclear fuel management activities?

19 MR. CAMERON: Mike, we're going to go to
20 Mike for the first question and then Doug, for the
21 second. Mike Toomey.

22 MR. TOOMEY: Thank you. The definition
23 of decommissioning under the Vermont Public Service
24 Board orders and the memorandum of understanding, and
25 as far as -- as long as Entergy has owned the plant,

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1 includes spent fuel management, from the beginning,
2 since 2002.

3 So, I don't know --

4 MR. SACHS: Why is there that loan?

5 MR. TOOMEY: I don't know what --

6 MR. SACHS: Why did you take out a loan if
7 --

8 MR. TOOMEY: Why don't you take a seat?

9 MR. SACHS: Why don't you take a seat?

10 MR. TOOMEY: Why don't you take a seat?

11 MR. SACHS: Why don't you take a seat,
12 Mike?

13 MR. TOOMEY: The issue of Mr. Faer's
14 testimony is -- I don't know the context. I don't know
15 what questions became before and after, and I need to
16 make sure --

17 SPEAKER: Just answer my question,
18 please.

19 MR. SACHS: The answer is obvious.

20 MR. TOOMEY: I'd have to look at the
21 transcript, to see the context of the question, but the
22 overall decommissioning project absolutely includes
23 spent fuel management. That has to be done, as part
24 of the decontamination and dismantlement of the plant,
25 you have to deal with the spent fuel that's onsite.

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1 So, spent fuel management is part of the
2 decommissioning project, and it would be funded out of
3 the decommissioning trust fund, unless we're
4 successful getting the money from the DOE.

5 If we are successful in getting the money
6 from the DOE --

7 MR. SACHS: Which you are --

8 MR. TOOMEY: -- then there is no impact on
9 the decommissioning trust fund, other than a temporary
10 one.

11 What we have tried to do and we are planning
12 to do --

13 MR. SACHS: You're trying to pay the debt
14 with our money.

15 MR. TOOMEY: -- is on the decommissioning
16 trust fund for the next five years, for this substantial
17 front-loaded cost of the dry fuel storage campaigns,
18 we are trying to have no effect on the decommissioning
19 trust fund. By taking the lines of credit out, we'll
20 borrow the money, use it --

21 MR. SACHS: Thank you.

22 MR. TOOMEY: We're not invading the
23 principle of the trust fund for the first five years.
24 When the money comes back from the DOE, assuming we get
25 90 cents on the dollar, which is the assumption we made,

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1 that will be used to pay the lines of credit off, and
2 then it won't have an affect on the decommissioning
3 trust fund, other than the interest costs, but that's
4 function of the U.S. Government. When you recover
5 damages in a case like that against the Federal
6 Government, under the Constitution, you can't recover
7 interest. So, there will be an interest cost.

8 But the principle cost will not affect the
9 decommissioning trust fund, and it was our effort to
10 allow that trust fund to grow and to get us closer to
11 the day when we can begin major dismantlement and
12 decontamination activities.

13 MR. CAMERON: Thank you. We're going to
14 go for your second question, Schuyler, to Shawn Harwell
15 from the NRC.

16 MR. HARWELL: Thank you. The second part
17 of your question was where is it in the regulations?

18 The nuclear decommissioning trust funds
19 were established for radiological decommissioning at
20 the site.

21 The licensees have an option to do
22 co-mingling. They can put other funds in the
23 decommissioning trust fund. However, those must be
24 clearly delineated and so, that the NRC can track the
25 money.

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1 Now, to access that money, first and
2 foremost, we're concerned with the radiological
3 decontamination, decommissioning.

4 To access that money, the licensee has to
5 file an exemption request, at which point we will look
6 at the circumstances at hand, and decided whether we'll
7 allow that exemption for the licensee to take out money
8 for other activities.

9 We currently have a request under review,
10 and that's about as much as I can say.

11 MR. CAMERON: Sure, go ahead.

12 SPEAKER: I just wanted to ask about that.
13 I've read through the regulations and I understand why
14 there might be exemptions.

15 I mean, in some cases, they do anticipate
16 it, for instance, longer than 60 years of
17 decommissioning --

18 MR. CAMERON: Schuyler, apologies, but we
19 have to get you on the transcript.

20 MR. GOULD: Okay, sorry, thank you. Why
21 would the NRC grant an exemption? There is no
22 contingencies mentioned in the regulations which might
23 allow for an exemption? Why would you grant an
24 exemption and why should you grant an exemption?

25 MR. CAMERON: Okay, very clear. Shawn,

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1 I'm bringing this back up to you, and I think Schuyler
2 was pretty clear about his two questions.

3 MR. HARWELL: Okay, to answer your
4 question.

5 When you have the decommissioning trust
6 fund, there are certain fees that go in establishing
7 funds.

8 So, if a licensee wanted to put in money
9 to keep it -- to grow, without having to pay extra fees
10 to different funds, to do the three elements, I want
11 to talk about three elements, radiological
12 decommissioning, spent fuel management, site
13 restoration.

14 So, originally, the intent of the
15 decommissioning trust fund was for the radiological
16 decommissioning. That was our requirement, NRC
17 requirement. The licensee has the option to also put
18 in funds into the decommissioning trust fund, to pay
19 for those other elements.

20 Now, they can do it in different methods.
21 They can sub-account. They can create sub-accounts.
22 They can make sure that they track the money. It has
23 to be a line item, so that an analyst, like I, myself
24 can see where that money is going.

25 So, we take in -- the NRC takes into

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1 consideration, when we see that money, we only want to
2 see the radiological decommissioning portion. That is
3 the requirement for us.

4 The others are more of a business strategy
5 to have to pay less fees to earn interest on a fund.
6 Does that answer your question?

7 MR. GOULD: No. So, the problem is that
8 --

9 MR. CAMERON: Okay, Schuyler, last one.

10 MR. GOULD: Okay, I'm still trying to get
11 an answer.

12 MR. CAMERON: I know.

13 MR. GOULD: So, you're telling me that the
14 funds that are there were committed to radiological
15 decommissioning. I don't hear you saying that any of
16 those funds were put in a separate account or separate
17 accounting for spent fuel management.

18 So, why would any of those funds go into
19 spent fuel management?

20 MR. HARWELL: Sure. I think -- if I can
21 your name right, sir. Mr. Toomey?

22 MR. GOULD: No, Schuyler.

23 MR. HARWELL: Schuyler. No, I'm talking
24 to Mr. Toomey, over here.

25 From what I understand, the State of

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1 Vermont and Entergy have an agreement where they see
2 decommissioning as more than radiological. It
3 includes spent fuel management as a process of
4 radiological decommissioning.

5 SPEAKER: Can we get a reference for that?
6 I never heard of it.

7 MR. CAMERON: You know, we really need to
8 go on. Could we talk? Could we talk later?

9 MR. BROADDUS: I can provide some
10 additional information, as well.

11 MR. CAMERON: Okay, why don't you go
12 ahead.

13 MR. BROADDUS: That might help clarify.

14 MR. CAMERON: Okay, go ahead.

15 MR. BROADDUS: There is another section of
16 the regulations that also requires licensees within
17 five years of their -- the end of their license term
18 or within five years of their plan to shutdown, to
19 submit to the NRC, an irradiated fuel management plan,
20 and it's their plan for how they expect in five -- in
21 that five year time period, you know, after they shut
22 down, how do they expect to pay for the cost of the
23 irradiated fuel management -- spent fuel management.

24 So, Entergy did submit an irradiated fuel
25 management plan to us, prior to -- five years prior to

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1 their original period of the license term, which I don't
2 remember the exact date of that. But it's -- but their
3 license -- they were in license renewal. So, it would
4 have been five years before they went into that extended
5 period.

6 So, and my recollection is, and we can get
7 you the specifics, but my recollection is that that
8 plan, they submitted at that time indicated that they
9 would come in and want to use -- they were planning to
10 use a portion of their decommissioning trust fund for
11 irradiated fuel management at that time, if there were
12 sufficient funds within the decommissioning fund to do
13 that.

14 MR. CAMERON: Okay.

15 MR. BROADDUS: And that's where -- there
16 is a tie within the regulations, but it doesn't
17 specifically say that -- you know, how that -- that
18 irradiated fuel management plan will be funded. It
19 just requires the licensee to tell us --

20 MR. CAMERON: Okay, thank you --

21 MR. BROADDUS: -- what they're going to --

22 MR. CAMERON: -- and again, if you could
23 get Mr. Gould that information, that would be helpful.

24 Ann Darling, Bill McKim, Francis Rod,
25 Michael Mulligan. Ann? How about Bill McKim?

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1 Francis? Francis Rod? Michael Mulligan? Is this
2 Mike, in the yellow, okay. Okay, this is Michael
3 Mulligan and thank you for your patience. I know you
4 were here early.

5 MR. MULLIGAN: I'm Michael Mulligan from
6 New Hampshire. How many here are from New Hampshire?
7 That's not bad.

8 I would like to thank the police for being
9 here, and for the job they do, and I want to really thank
10 you a lot.

11 I was a reactor operator at the Vermont
12 Yankee. Got fired for raising safety issues. But the
13 job I did was basically moving water from one place to
14 another. I mean, that's basically the job I did, and
15 so, maybe we need to talk about what are the places where
16 they have water.

17 One of the most dangerous -- one of the most
18 costly place that have water is in the condensate
19 storage tank. The condensate storage tank sits
20 outside the building. It's a huge tank. A lot of
21 radioactive water in there and stuff, and so, you know,
22 my major concern, the most risks would be that tank.

23 The bottom of the tank, you know, had leaks
24 in the past. There is issues with having leaks -- well,
25 not now, but you know, they had leaks in the past.

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1 So, my question is, well, what happens in
2 five years when nobody has any heat and all that sort
3 of stuff, and you know, the tank has a chance, you know,
4 of icing over and stuff like that?

5 So, there's certain tanks in Vermont
6 Yankee. One of them would be of course, the torus.
7 The torus is a humongous tank and stuff. There is --
8 there is main condenser, which is another not so
9 contaminated water and stuff like that.

10 So, the question, you know, is what -- you
11 know, the separator up in the refueling floor, the
12 primary coolant pump. So, these guys got an idea that
13 they're going to not have heating. They're just going
14 to let that building be as-is, and I'm saying, what are
15 they going to do in the future, you know?

16 Minus 10 degrees or all that sort of stuff,
17 and you know, pipes can freeze with the frost, frozen
18 pipes and they get leaks and then there is all sorts
19 of corrosion type of stuff and so, you know, I think
20 the accident in the future is going to be one, the torus
21 is going to -- they're going to find a leak in the torus
22 one day, and they're going to go down in the basement
23 and the basement is going to be full of water, and you
24 think you had radiation problems -- or contamination
25 problems in the past. You ain't seen nothing yet.

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1 Same thing, like I said, the CST tank is
2 the most risk-full, I think tank there, and I think they
3 should get rid of the water, pipe off that tank, maybe,
4 you know, even kind of think about well, maybe we ought
5 to build a new tank. Big tank outside, maybe a couple
6 of different tanks, you know, different radioactivity
7 levels, and stuff, and you know, make it so there is,
8 you know, nice cement floor underneath it, and new
9 materials and all that sort of stuff and probably, that
10 would be the safest way.

11 I got a couple more comments. One is
12 Pilgrim Plant. Pilgrim Plant right now, Entergy owns
13 Pilgrim Plant. They're in deep trouble. They're in
14 a situation of basically, Vermont Yankee was three or
15 four years ago.

16 A lot equipment problems and you know, all
17 they're waiting for is one mistake, somebody kind of
18 tells a fib, and you're going to have Vermont Yankee
19 over again. So, there is -- there's a problem right
20 there.

21 One more thing is, the inspectors, the
22 inspector staff, the residents, their bosses and stuff
23 like that, you know, I'm an Irishman and you know, I
24 mourn things at times and stuff, and you know, I always
25 thought I was competitive with the NRC, we didn't agree

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1 on a lot of things.

2 But what I realize now is we're not going
3 to have this staff around. We're not going to have
4 their bosses with, you know, deep education and deep
5 experience, and you know, I'm kind of sorry, I'm going
6 to miss them. Times, I didn't like them, but you know,
7 looking at it right now, they had a lot of education
8 and a lot of enlightenment to our community, I think,
9 and stuff like that, and we're going to miss that
10 education and thank you.

11 MR. CAMERON: Thanks, Mike. John Ward,
12 Chris Williams and Andrew Larkin. John?

13 SPEAKER: I'm going to pass.

14 MR. CAMERON: Are you John?

15 SPEAKER: No.

16 SPEAKER: No.

17 MR. CAMERON: Okay, thank you.

18 MR. WILLIAMS: Chris Williams, I work with
19 the Vermont Citizen's Action Network, the Vermont
20 Yankee Decommissioning Alliance, and I'm a Board Chair
21 of the Nuclear Information and Resource Service.

22 But for a large chunk of my life, I was
23 consumer advocate working to protect consumers from
24 cost overruns and price gouging by regulating
25 utilities, and in that capacity, I had a lot of time

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1 spent locked in rooms with utility companies and
2 Government officials, while deregulation was being
3 worked out, back in the late 90's and so forth, and one
4 of the recurring questions that myself and my
5 colleagues brought up was, this notion of the merchant
6 nuclear facilities and ultimately, the under-funding
7 or non-funding of the decommissioning funds.

8 Here we sit, some 20 years later, and what
9 I've been describing where we're at and where you're
10 at is basically the early stages of a train wreck, and
11 when I say that, I'm really saying it with all
12 sincerity.

13 I have been watching this for a long time,
14 lots of people have been watching it, and I'm sure that
15 you've been watching it, and whatever it's going to take
16 to prevent this train wreck of what, 44 potential units
17 that are now merchant plants, Kewaunee is the first car
18 in the train, Vermont Yankee is the second.

19 I would urge the Commission and the
20 utilities, as well as all the state jurisdictions
21 involved, to get on this soon and not -- not wait until
22 these things start careening off the track.

23 You know, in the end, when many of us who
24 are somewhat cynical, look at this, it looks like, you
25 know, ultimately there is going to have to be a massive

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1 Federal bailout to get these plants cleaned up.

2 But in the end, you know, we really can't
3 let these things just sit around and continue to
4 contaminate the sites and the surrounding areas, where
5 they're existing.

6 We've seen this coming for a long time. I
7 am certain that your financial analysts and other
8 people within your agency or your Commission have seen
9 this, and you know, I would urge you to act sooner,
10 rather than later, to prevent the train wreck. Thank
11 you.

12 MR. CAMERON: Okay, thank you, and John
13 Ward is our next speaker. Andrew Larkin, Lissa
14 Weinmann, Ned Childs and Gary Pontelandolfo. John?

15 MR. WARD: The first thing I'd like to ask
16 is if the people from Senator Leahy's office and
17 Senator Sander's office are still here? I don't see
18 them. I don't think so.

19 MR. CAMERON: I don't see them either.

20 MR. WARD: All right.

21 MR. CAMERON: Okay.

22 MR. WARD: Because being from
23 Massachusetts, there is a lot that I cannot do. What
24 I can do is, I can go on record and say that our town
25 has asked for the continuation of the EPZ and also, the

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1 continuation of the 15 minute notification, as opposed
2 to the 60 minute notification that has been asked for.

3 The other thing that I wanted to ask for
4 here, and this is just myself, not as a representative
5 from a town or city or state, but this would be a very
6 good idea for all of you to keep in mind.

7 Arnie Gundersen was absolutely right, when
8 he said the AOG building should be removed and the
9 ground should be cleaned up under that, as soon as
10 possible.

11 We've known for a long time that there was
12 a Tritium plume moving from that area. The Strontium
13 has just been found in that well, because that is a
14 heavier element. It moves much slower. We could take
15 care of a lot of that contamination sooner, before that
16 plume moves, and save a lot of money.

17 I'd like to see that decommissioning fund
18 be spent as efficiently as possible, so that we can get
19 started sooner and get more done. Thank you.

20 MR. CAMERON: Thank you, John. Is Andrew
21 here? How about Lissa?

22 MS. WEINMANN: Hi. I'm getting a little
23 faded here after work, and then sitting. So, I'm not
24 sure what is going to come out because I don't have
25 prepared remarks.

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1 But I will say that I think we're all in
2 this together. There is no national nuclear waste
3 policy. There is Yucca Mountain. There is not going
4 to be a Yucca Mountain. If there is a Yucca Mountain,
5 it's full already. So, there is no place to put this
6 stuff.

7 We had -- we're trying to deal with new
8 situations with old rules that do not serve us anymore,
9 and there has been Bills in Congress. They go nowhere.
10 But we know we need a new law, because the Nuclear Waste
11 Policy Act of 1982 really didn't foresee all these
12 problems. It didn't -- for instance, we didn't foresee
13 that spent fuel rods would be in pools for 30, 35 years.

14 I mean, the pools were designed to hold
15 those rods for five years. We're in virgin territory
16 here.

17 You can say all day long that the spent fuel
18 pools are just as safe as the casks, but you know the
19 kind of discussion that goes on within the NRC about
20 that. You know what your outgoing Chairperson said
21 about spent fuel pools 12 years ago, that they were in
22 eminent danger because they were being overcrowded, and
23 beyond that, are not designed for that purpose of
24 long-term storage.

25 So, we know all this and we are all in it

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1 together, and it's not Entergy's fault. Entergy is a
2 company. They want to make money. We all know, they
3 agreed to close the plant, but then they didn't close
4 the plant because the Federal law says they don't have
5 to, just like the Federal law says they don't have to
6 move the spent fuel right away. They could leave the
7 spent fuel there, if they so decide.

8 So, the MOU is worth nothing. I love the
9 feel-good feelings between us and Entergy and I hold
10 nothing against Entergy honestly, because we know we're
11 they're at.

12 What we need are new laws, okay, and I don't
13 understand why nobody talks about the nuclear waste
14 fund. Okay, you guys all know what it is. You all know
15 that there is about \$38 billion sitting in DOE's
16 Department of Energy nuclear waste fund. Where is
17 Department of Energy tonight? They're the ones that
18 are having responsibility for this long-term.

19 What about that \$38 billion that rate
20 payers have been paying into for the central repository
21 that will not happen?

22 Okay, everybody is talking now about
23 interim storage and that's still imperfect, I agree
24 with the speakers who said we need to treat this waste
25 storage facility, this high-level nuclear waste

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1 storage facility, that we never banked on, that we're
2 completely unprepared for, we need to treat it like it's
3 going to be here forever, okay, because it very well
4 might be.

5 So, don't third-world cask us. Give us
6 what Europe and Japan had. Get the spent fuel pool
7 cleaned up pronto, because fires are a concern and you
8 all know it. That's why you agreed to do it quickly
9 and so did Dominion, okay, or else you wouldn't be doing
10 it.

11 Let's all work together to change law,
12 nobody is paying attention. We need to bring all the
13 host communities together, to sit down. You say -- you
14 admitted tonight, as per McFarlane's comments in the
15 New York Times a month ago, you're in completely new
16 territory.

17 There is no provisions for merchant
18 reactors. This is all new stuff. You need to rewrite
19 the rules. It's going to take three or four years.
20 You're going to talk about it.

21 You know, we have to deal with this right
22 now, in this community. We're sitting with this stuff.
23 My kids are sitting with this stuff. We need to treat
24 it very seriously. It's a sacred responsibility that
25 our community is barring with no perks, okay.

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1 Blue Ribbon Commission. Oh, let's find an
2 interim storage facility and let's give them all kinds
3 of economic perks. Let's give them all kinds of
4 economic development perks. Let's give them more fire
5 fighters. Let's give them more police because we're
6 carrying this very, very important responsibility for
7 the whole rest of the nation here.

8 Okay, we are the interim storage facility
9 and we deserve a hell of a lot more than we're getting
10 right now. We're getting nothing right now.

11 You're suing DOE for the storage. What do
12 we get as a community? We deserve a whole lot more and
13 if we're smart, we're going to fight with other
14 communities nationwide, to change the law, to use the
15 nuclear waste fund for the most pressing issues first,
16 and we're going to get it done by working together, not
17 yelling at each other. Thank you very much.

18 MR. CAMERON: Thank you, Lissa. Is Ned
19 Childs here? There is Ned, and Gary Pontelandolfo?
20 Gary?

21 MR. PONTELANDOLFO: Thank you.

22 SPEAKER: No, here is Ned.

23 MR. CAMERON: And last speaker would be
24 Sally Shaw and then I'm going to turn it over to Drew
25 to close up.

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1 MR. CHILDS: Good evening. I'll try to
2 keep this brief.

3 It's -- there's been a lot of good comments
4 tonight, and call it a train wreck or call it a -- the
5 early end stages of a chain letter scheme, a ponzi
6 scheme, it's kind of a fine mess, you know, and you guys
7 are sitting there presiding over it, and maybe you
8 didn't sell the first tickets, but it's not looking very
9 good.

10 My name is Edward Childs, the New England
11 Coalition, and we intervened, New England Coalition
12 intervened in the original operating license hearings
13 in the 1970's raising questions around the safety and
14 security of the temporary onsite storage of
15 high-level nuclear waste.

16 The at the time regulator, Atomic Energy
17 Commission, did not permit us to raise these concerns
18 in the hearing process, with the assurance that these
19 concerns were encompassed in generic studies and agency
20 determinations to be made.

21 In the NRC era, after or just before Three
22 Mile Island, the determinations matured into the waste
23 confidence rule, as you know, just for everybody else,
24 the NRC said it is confident, high-level waste can be
25 safely stored until removal to a national repository,

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1 originally, that was going to be ready in 1998, then
2 it 2005, and now, as we are all discussing literally,
3 maybe never. Maybe in Finland.

4 Repack the deadly fuel where it sits, every
5 100 years or so. That's the Commission casual
6 response. That's the best you can do, and now, you're
7 currently development an extended storage and
8 transportation regulatory program, including safety
9 and environmental analysis to support long-term
10 storage up to 300 years handling the spent fuel, and
11 the associated updates to the waste confidence rule
12 making.

13 So, Vermont, for all practical purposes,
14 is becoming a final national repository. I'm just
15 repeating things that were already said earlier, to try
16 to be less repetitive.

17 Anyway, the Entergy PSDAR said that an
18 additional site -- and additional pad, additional ISFSI
19 pad would be added in close proximity to the existing
20 pad, to expand the storage and allow for the spent fuel
21 assemblies to be stored.

22 Now, NRC authorizes storage of spent fuel
23 in two different ways, as you are aware, and if not,
24 then maybe you need to pay attention.

25 The first way is site-specific, that's 10

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1 CFR Part 72 or a general license, a site-specific
2 application review safety and security, and requires
3 publication that notice for a hearing. Obviously,
4 there is some interest in a hearing in this location,
5 maybe not in Nebraska, and in this hearing, evidence
6 is taken and testimony is given under oath, and relevant
7 disclosures must be made.

8 The alternative process, the general
9 license authorizes storage of spent fuel in casks where
10 a reactor has been previously licensed, and in that
11 situation, no formal hearing opportunity is provided.

12 So, the New England Coalition is proposing
13 Vermont Yankee, as it's a merchant generator and for
14 various other reasons, is a special case and we would
15 like you to require of Entergy, a site-specific Part
16 72 ISFSI license application.

17 Several things make the Vermont Yankee
18 site unique. We don't know, in this case, the
19 financial aspects, whether Entergy is going to have
20 money when the time comes, to do this decommissioning,
21 some undefined term of storage and assurance
22 projections that have been given are at best, fictional
23 or non-existent, take that with a grain of salt.

24 So, all right, we have, as it's been noted
25 earlier, houses and schools around, it's in a small

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1 village. The five year cooling period, now we're in
2 the safe storage, might take you 50 years. You got the
3 merchant plant and they haven't look at any
4 alternatives to the environmentally sense of the site.

5 Therefore, we will appeal, in the next
6 several days, to the NRC Commissioners, I guess your
7 bosses, to require the more probing in-depth and
8 inclusive site-specific ISFSI license application
9 process.

10 We favor dry cask over wet pool storage.
11 It's not in our interest to delay and an environmental
12 impact statement was reasonably filed for license
13 renewal, and so, you should be able to do that with
14 little alterations.

15 So, justice demands a full and fair
16 hearing. Thank you.

17 MR. CAMERON: Thank you, Ned. We're
18 going to Gary, and Gary, please introduce yourself to
19 us.

20 MR. PONTELANDOLFO: Hi. I'm Gary
21 Pontelandolfo. I drove over two hours from Northwest
22 Connecticut to come up here, and I really appreciate
23 everyone who stayed so long.

24 We care. That's why we're here, and I'm
25 looking this way intentionally because I'm not sure

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1 that all you fellows at the table up here do care.

2 That's interesting, because I was just
3 going to say there are so many acronyms in our world
4 today, that I get confused sometimes, and I just -- I
5 was thinking it was Not Really Cocky. In fact, I had
6 a disturbing incident, the more I think about it, the
7 more disturbing it is.

8 When I arrived here, I signed in two cards,
9 one to be here and one to speak, and there was a
10 gentleman who told me he was from the NRC that was
11 watching, and he actually spoke to me. I asked him a
12 couple of questions, and before I really came in and
13 settled down in here, I walked outside the side door,
14 had a cigarette, walked around the building and came
15 back in.

16 Five minutes later, I walked passed the
17 table and the gentleman was still there. I think it
18 was you, right? Am I recognizing you? Because you
19 didn't recognize me, and you wanted me to sign in, as
20 if I had just got here, five minutes after having a
21 conversation with me.

22 I really hate to think, though I kind of
23 do, that that's the kind of attention the NRC pays to
24 things.

25 Like I said, I'm from Connecticut. I've

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1 lived in Connecticut all my life. I'm a member of the
2 People's Action for Clean Energy, otherwise known as
3 PACE, which has been around since the 70's.

4 There is a lot of people, all volunteers
5 in that organization in Connecticut, and we're paying
6 attention to what you're doing up here, because we're
7 hoping to close this up soon, and what's going on here
8 is going to set a precedent. So, we're paying
9 attention.

10 MR. CAMERON: Gary, can I get you to wrap
11 up, so we can go on?

12 MR. PONTELANDOLFO: Okay, one more thing
13 I'd like to say, and really, this is the most important
14 thing.

15 I'm sure there is people working within the
16 NRC, maybe some of you are here, who are truly good
17 people and want to do the right thing, and have
18 consciences that still operate will, and I'd just ask
19 if you would help those of us who mostly volunteer our
20 time, because we care so much about this, do what you
21 can from within the NRC, to try to hold their feet to
22 the fire. We need help, and last thing.

23 On the way up here I listened to the radio.
24 I heard the Who, "We Won't Get Fooled Again", and I'm
25 going to say, when I get home, I am going to get down

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1 on my knees and pray that we don't let them fool us
2 again.

3 MR. CAMERON: All right, all right, thank
4 you, Gary. Sally?

5 MS. SHAW: My name is stakeholder, that
6 would be S-T-A-K-E-H-O-L-D-E-R aka Sally Shaw.

7 I'd like to start my comments with a quote
8 from the settlement agreement between Entergy and the
9 Vermont Public Service Department.

10 "Entergy Vermont Yankee shall make
11 appropriate filings with the NRC to obtain authority
12 to begin radiological decommissioning within 120 days
13 after it has made a reasonable determination that the
14 funds in the NDT are adequate to complete
15 decommissioning," etcetera, etcetera.

16 From the Public Service Board's final
17 order conditioning the license to continue until the
18 end of 2014, they say, "If the decommissioning trust
19 fund continues growing at its historic rate, the fund
20 could reach the \$1.16 billion in under 15 years," and
21 they also say, in that settlement agreement, they
22 repeat the thing that was said up above in the
23 settlement agreement.

24 But it says its site assessment study, that
25 their cost analysis suggests they might commence

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1 decommissioning by the 2040's, which is not 15 years.
2 It's closer to 30.

3 Conversely, they say in the site
4 assessment study that they assume the Department of
5 Energy will start transferring spent fuel from the site
6 beginning in 2026, and complete removal of all fuel by
7 2052.

8 At the time, decontamination and
9 dismantlement are scheduled to start, Entergy assumes
10 all spent fuel will have been removed from the site and
11 therefore, will not affect the decommissioning
12 activities.

13 Well, that means that the anticipated
14 start date for decommissioning would be 2052.

15 Elsewhere in the SAS, they say they base
16 their cost analysis on the maximum SAFSTOR period,
17 which allows them up to 60 years because that scenario
18 shows funding adequacy with the largest margin.

19 Under this last scenario, dismantling and
20 decommissioning of the plant would not begin until
21 approximately 2069, nor be completed until 2075.

22 So, much for openness and transparency. I
23 mean, in these various legal documents, they've given
24 at least half-dozen different estimates of when they're
25 actually going to start dismantling and

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1 decontaminating the plant and the site.

2 I would love it if the NRC could give us
3 a date certain for start and completion date of the
4 decommissioning, but I know that is not in your job
5 description.

6 I'm wondering if in fact, you do need to
7 change the rules and whether you need a 2.802 petition
8 for rule making from one of us citizen volunteers, in
9 order to do that, because the situation is really not
10 fair to be affecting the community and the
11 stakeholders. That's my first question.

12 The second one -- may I? I'll be quick.

13 MR. CAMERON: We've got to be moving.

14 MS. SHAW: I'll be real quick. Some people
15 have gone on, and you know, I'm being as quick as I can.

16 I have some standard comments to make, and
17 I would really like the opportunity, if you don't mind.
18 Thank you.

19 In 1991, a leak was discovered in the drain
20 line from the canister rack to the chemical drain in
21 the rad waste building. This leak contaminated the
22 soil under the concrete floor of the lab, the volume
23 of contaminated material was estimated to be
24 approximately 58,000 cubic feet.

25 Radio-nuclides associated with that spill

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1 included cesium-134, strontium-90, iron-55. They
2 claim, this is from the SAS, that that location is the
3 only location on the Vermont Yankee site where those
4 radio-nuclides are known to have been released to the
5 environment. I don't believe that is true, because I
6 remember back during the tritium leak, when they did
7 some excavation of the trench, they found Strontium-90,
8 Cobalt-60 and iron in that trench. So, maybe they took
9 this quote in the SAS from an older study and had
10 neglected to include the fact that yes, we do know that
11 those ingredients, those radio-nuclides were released
12 during the tritium leak.

13 Anyway, it implies that what the NRC did
14 when the -- when this came to their attention was that
15 they approved the area as an onsite waste disposal area
16 under the requirements of NRC regulation 10 CFR
17 20.2002.

18 I found that really astounding, so that
19 when a nuclear plant violates their defense-in-depth,
20 when they violate their trust, and allow radio-nuclides
21 to leak in our environment, your response is to say,
22 "Oh, that's okay, we'll just change the designation and
23 call it a nuclear waste dump site." That's kind of
24 scary to me. I don't know if that's a question or a
25 statement, but it's kind of scary.

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1 So, I want to know, this is a question, what
2 is going to happen to the Cobalt-60 in the Connecticut
3 River sediments, that Entergy admitted to, before, as
4 they were testifying before the Legislative Committee
5 on administrative rules in the Vermont State
6 Legislature? When will that be cleaned up? What will
7 happen to all the radioactive water Entergy plans to
8 transfer into the torus, to use as backup clean water
9 for the spent fuel pool, after that is dismantled?

10 Where is all this water going to go? Does
11 that get shipped to Texas, to be put into their
12 facility, or does it just get drained into the
13 Connecticut River? I want a specific answer.

14 MR. CAMERON: We're going to answer those
15 questions and then, thank you very much. Can we do it?
16 Answer the question?

17 MR. FERDAS: I can talk to the torus
18 question.

19 The torus will be used as part of the
20 SAFSTOR operations. When that is not needed anymore,
21 that water will be drained from the torus and taken
22 offsite to a processing facility.

23 There is no intention for that to be
24 released into the Connecticut River.

25 MR. CAMERON: And how about the

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1 Connecticut River Cobalt questions, Bruce?

2 MR. WATSON: As part of their planning for
3 the decommissioning, I would expect that if the
4 historical records indicate that they had a release of
5 material to anywhere onsite, they could characterize
6 that area, to see what the levels are, to see if they
7 have to do any additional clean up work.

8 That's part of the normal process for
9 planning for decommissioning.

10 MS. SHAW: Is the river considered on the
11 site?

12 MR. WATSON: I don't know if it's in the
13 licensed part of the facility or not. I am just --
14 don't think it is, but it may be in by reference. I don't
15 know.

16 MR. CAMERON: Okay, thank you, Sally, for
17 the questions, and I'm going to ask Drew, Senior NRC
18 official here, to close the meeting out for us. Drew?

19 MR. PERSINKO: I think folks are here to
20 -- I think we have this room until the absolute latest,
21 10:00 probably.

22 But first of all, let me thank everybody
23 for your participation. I really mean that. There
24 was really good participation tonight. You gave us
25 numerous comments and you've given us a lot to consider.

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1 You know, as everybody was talking, I was
2 trying to take notes and trying to kind of group the
3 comments, and you know, there were quite a few comments
4 in the emergency preparedness area, number -- lot of
5 comments, I saw also in the financial areas, the
6 decommissioning trust fund area.

7 So, some questions in the environmental
8 relating to the GEIS, generic environmental impact
9 statement, questions came up, and the other area was
10 in the spent fuel area.

11 There was a number of questions, and there
12 were really two aspects of the spent fuel, as I see it.

13 There was the -- there were spent fuel
14 comments made concerning movement of the fuel to the
15 ISFSI and the building of the ISFSI and things of that
16 nature, and then there were comments relating to the
17 permanent disposal of spent fuel.

18 You know, the permanent disposal of spent
19 fuel in this -- in the U.S. is really a national policy
20 issue and it's a bigger issue than just the NRC.

21 So, it's not an issue that the NRC is going
22 to solve alone. It's a national policy issue.

23 So, we need to -- we will, we will look at
24 the transcripts. We'll look at your comments. We'll
25 digest them. It's going to take us a little time to

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1 digest them. We will group the comments and we will
2 respond as best we can to the comments we received, and
3 questions we received, and I believe the best place for
4 us to respond would be on our website.

5 But we will bin the comments in different
6 groupings and attempt to then respond to the comments
7 we received, and we will be considering these comments,
8 as we do the review of the PSDAR, as Doug said initially,
9 beginning of the meeting tonight.

10 One last -- couple last things I want to
11 say in my closing remarks are, just because the plant
12 is now shut down and is not operational, it does not
13 mean that the NRC is no longer involved.

14 The NRC will still be providing safety
15 oversight through licensing and through inspections,
16 and it really gets back to our mission at the NRC, which
17 is how I started the meeting, about protecting health
18 and safety, public health and safety.

19 I do want to assure you, there were a number
20 of comments made tonight about NRC and the way we are
21 doing safety.

22 I do want to assure you that we, at the NRC,
23 do take our safety responsibility seriously. We
24 really do. We do care, as somebody was saying. Thank
25 you very much.

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1 MR. CAMERON: Okay, and thank you, all.
2 I'll thank the panel, and we're adjourned. Thank you.

3 (Whereupon, the above-entitled matter
4 went off the record at 10:20 a.m.)

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