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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
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CONNECTICUT NUCLEAR ENERGY ADVISORY COMMITTEE
SUBCOMMITTEE MEETING ON DECOMMISSIONING
(MIDAC)
+ + + + +
MILLSTONE PROCEEDING
ASLBP Docket No.
00-771-01-LA
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THURSDAY
JANUARY 4, 2001

I-N-D-E-X

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

UNIDENTIFIED SPEAKER: I think I'm going to call this meeting to order. We have enough people here right now and I think I'm going to call the meeting to order.

I'm sorry for the seating arrangements. I hope everybody has a good pair of legs. We didn't quite -- this is where MIDAC usually meets anyway, so we did make an effort to try to get a little larger room, but that is in use tonight. We do appreciate everything that (Inaudible) does provide it and it is this room tonight.

What I am going to do is I'm going to skip the minutes of our December 7th meeting for the moment. We'll take care of that during our business portion of our meeting and I'd like to get just right to our decommissioning update and as well as our presentation for this meeting on the Unit 1 spent fuel rods.

Now I realize that not everybody does have an agenda and I didn't bring enough for everybody. However, that will be the agenda for this evening. We will be discussing the decommissioning updates as well as the Unit 1 spent fuel rods, after which we will go right into our business meeting for MIDAC.

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1 So without further ado, I'd like to
2 introduce Brian Ford who is the Director of the
3 decommissioning for Unit 1 and Brian will be providing
4 us with the updates of the decommissioning as well as
5 any regulatory (Inaudible).

6 And again, I'm sorry (Inaudible). We have
7 a couple of extra chairs.

8 MR. FORD: Good evening. As Pearl said we
9 have basically three topics for tonight or two topics,
10 an update on the unit decommissioning projects and a
11 discussion of the fuel pins.

12 There's two main topics I'd like to talk
13 about tonight, one the unit separation projects. As
14 we've discussed, those are the projects that are
15 basically removing the reliance of the operating units
16 from the decommissioning units. Since we met the last
17 time we completed several of the projects. In
18 December, we completed five of them. We have five
19 more scheduled for completion in January with six
20 remaining to be completed before April of this year.

21 The main item of interest in this that is
22 also our regulatory update is that the NRC approval
23 that was needed to implement the 4160 design change
24 was received. That work is on-going currently and
25 should be completed in the next week and a half or so.

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1 Unless there's some questions as we go, I
2 wasn't going to go into the details of the projects at
3 this time.

4 On the decommissioning projects, the new
5 spent fuel pool cooling system work is on-going and
6 the new system should be placed in service in the next
7 couple of weeks. The work is going fine. We've also
8 got work on the building ventilation systems on-going
9 as you all saw in -- two were last time. We have the
10 two systems. The first system, the one that supports
11 the spent fuel pool area itself is being tested and
12 finished powering up -- powered up over these weeks.
13 It should also be started up this month.

14 The ventilation system for the balance of
15 the unit work is on-going and it should be started up
16 in March. It's one of the last systems that will be
17 turn on as we go forward.

18 The other item is the miscellaneous
19 electric work. Basically, the work to power up all of
20 the equipment throughout the plant that we -- lights,
21 security lighting, that kind of thing, that work is
22 on-going, on schedule and we don't see any problems.

23 So the overall summary here is that we
24 expect to meet the goal of having the unit at cold and

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1 dark and in our long term stable condition by April of
2 this year.

3 With that I wanted to give an update on or
4 have a discussion on the fuel rods accountability
5 issue. As we discussed in the last Committee meeting,
6 Millstone Unit 1 has been performing a reconciliation
7 and verification of the spent fuel pool records. This
8 reconciliation verification effort is part of the on-
9 going Unit 1 decommissioning.

10 As I'm sure you all have read in the
11 newspapers, we did find during this effort that the
12 location of two of the full length irradiated fuel
13 rods is not properly tracked in the records that we
14 have and at the time of our last Committee meeting, we
15 were in the initial discovery phase and we were
16 confident we were going to solve this in the next week
17 or so. Obviously, that hasn't occurred.

18 The two irradiated fuel pins which are the
19 focus of this issue is from a fuel assembly that was
20 disassembled in 1972 to do some inspections on the
21 internals of the assembly. When the assembly was put
22 back together again, these two fuel rods were
23 displaced during assembly. And that was done in 1974.

24 In 1979, and in early 1980, we have
25 documentation that indicates that these two rods were

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1 physically verified to be in a special canister in the
2 spent fuel pool and I think the newspaper said the
3 northwest corner of the spent fuel pool.

4 The rods from the canister are no longer
5 in that location in the pool and we have not been able
6 to find any records to date which tell us where they
7 moved to. So in summary, that's the problem. We have
8 some records that says where they were in 1980 and
9 they're not in that location today.

10 We've put together an investigation team
11 to try to find where they are currently located and
12 determine the root cause of why we have this
13 documentation issue now. And basically, the team is
14 doing two parallel efforts to identify the location of
15 the fuel rods. The first effort is an on-going
16 investigation in the spent fuel pool. We have some
17 outside experts who are in --

18 UNIDENTIFIED SPEAKER: (Inaudible)

19 MR. FORD: Sorry about that. I'll move
20 back -- have you all heard much of what I've said?

21 UNIDENTIFIED SPEAKER: Not too much.

22 MR. FORD: I'll back up a little bit.
23 We've established an investigation team to determine
24 where the fuel rods are and the root cause of the
25 issue. The investigation team is going down two

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1 parallel paths for determining the location of the
2 pins. The first effort is an on-going investigation
3 in this spent fuel pool itself. We brought in some
4 outside experts to help us do the investigation in the
5 pool. The other effort is a comprehensive records
6 review of all the potentially pertinent records going
7 back over the last 20 years. Retrieval or review of
8 these records is on-going. This effort is going to
9 take some time because the effort when you try to
10 encompass the retrieval and review of these records is
11 potentially hundreds of thousands of pages of
12 documents for the scope of what we're looking at.

13 We have looked at the possibility that the
14 fuel rods are no longer in the pool and determined
15 that the radiation levels associated with the fuel
16 rods would have precluded their removal from the pool
17 in anything other than a shielded transport cask and
18 that kind of cask would have been shipped to a
19 licensed facility that accepts radioactive material.

20 Although we've evaluated that possibility,
21 I do want to stress we found no documentation that
22 indicates that the fuel rods were removed from the
23 pool and therefore we feel it's very likely that
24 they're still stored in the pool and as previously
25 discussed, we're still looking for them in there.

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1 We do feel confident though that due to
2 controls in place, both at Millstone and at the
3 facilities were a cask shipment would have went to,
4 that because of the controls there, there's no undue
5 risk to the health and safety of the public or plant
6 and license facility workers.

7 That's kind of an overview of the subject.

8 The next part of this was a question and
9 answer time and I'd also like to introduce -- I lost
10 track of him in the crowd moving around, Larry Temple,
11 who's the General Manager at Unit 1 and Frank Rothman
12 who's the Officer responsibility for Unit 1
13 decommissioning and with that I'm open to questions.

14 UNIDENTIFIED SPEAKER: First of all, you
15 said that there are two paths. That one team is
16 taking two paths or do we actually have two teams
17 working on this?

18 MR. FORD: We have one large team and we
19 have different people from the team working on
20 different aspects of it.

21 UNIDENTIFIED SPEAKER: Okay.

22 MR. FORD: Is that it came down to.

23 UNIDENTIFIED SPEAKER: I can help clarify
24 that.

25 UNIDENTIFIED SPEAKER: Okay.

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1 UNIDENTIFIED SPEAKER: We have hired
2 individuals from outside the company (Inaudible) and
3 he has been on site already. He's going to start full
4 time (Inaudible).

5 His responsibility will be project manager
6 of the (Inaudible) and working under him will be two
7 teams. One is a group of people from General Electric
8 that will be performing the in-pool inspection with
9 supervision from the Unit 1 operations staff. And
10 their job will be to go through and physically look
11 for the location of these pins in the spent fuel pool.

12 The second group of individuals, we have
13 12 people working on that right now. We'll be going
14 through a record search and it's quite voluminous,
15 everything from the operator shift logs right down to
16 nuclear records on the plant and that's on-going right
17 now.

18 What we had to do initially was to develop
19 a plan that was acceptable so it was a (Inaudible)
20 plan that was very disciplined, so we needed to
21 document (Inaudible) to end.

22 To that end, we brought in a group of
23 specialists, industry specialists that had a great
24 deal of experience in spent fuel pool management and
25 (Inaudible), independent consulting-type people who

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1 are reviewing the process that we're using and the
2 methodology that we're using (Inaudible).

3 We are touching every base. So basically,
4 from the time it was discovery until we put the team
5 together, and the fact that it led up to the holidays,
6 it took us -- we didn't get General Electric's crew in
7 here until Sunday evening. They're going through a
8 training process to (Inaudible) and they'll be ready
9 to start moving fuel on Saturday, the first shift on
10 Saturday. The records group has already started doing
11 their initial reviews and I'll be quite candid with
12 you. If we're lucky, we'll find it sooner. If you
13 have to go through that entire process, you can be
14 looking at (Inaudible) to be able to go through the
15 entire pool and go through those records and
16 everything else. It's a matter of how soon you find,
17 just going through this process and looking for it.

18 UNIDENTIFIED SPEAKER: Okay, and I think
19 you said G.E. is involved and why are they involved in
20 it?

21 UNIDENTIFIED SPEAKER: The reason we
22 contracted with General Electric is because of the
23 number of certified fuel (Inaudible) we have on staff.
24 For an effort of this size, looking at a considerable
25 work activity. If we're going to move two or three

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1 bundles, handle ones like that, we have people on
2 staff that can do it. But for this type of
3 (Inaudible), it just was the minimum resources we had
4 on site would take a lot longer and General Electric,
5 it is their design plant and they have experts that's
6 all they do is handle managed fuel and refuel. So we
7 called them and contacted them to see if they had
8 anyone available to bring in and they did and we're
9 pleased they were able to do that. That should
10 expedite this somewhat by having professionals who
11 that's basically what their job is.

12 UNIDENTIFIED SPEAKER: So G.E. is going to
13 be strictly confined to the pool?

14 UNIDENTIFIED SPEAKER: Working inside the
15 spent fuel pool.

16 UNIDENTIFIED SPEAKER: Spent fuel pool.

17 UNIDENTIFIED SPEAKER: And they'll be
18 working under (Inaudible).

19 UNIDENTIFIED SPEAKER: Okay.

20 UNIDENTIFIED SPEAKER: It's their
21 responsibility as a licensee (Inaudible).

22 UNIDENTIFIED SPEAKER: Okay.

23 UNIDENTIFIED SPEAKER: Could you give us
24 a little bit of a description of what looking into the

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1 pool entails in terms of moving rods, where you are
2 putting them and so on?

3 UNIDENTIFIED SPEAKER: Go ahead, Brian.

4 MR. FORD: The first goal of the effort is
5 basically moving some -- a fair number of assemblies
6 and getting a camera down into the area so that we can
7 see whether or not anything is blocked by the view of
8 the assembly and in most cases after you've done that
9 just putting the assembly back in the location.

10 UNIDENTIFIED SPEAKER: So you'll be
11 shifting stuff around in the pool and taking pictures?

12 MR. FORD: We will be doing some shifting
13 around. For the most case we'll pick it up, move it
14 out of the way and look down in there and put it back
15 into place.

16 UNIDENTIFIED SPEAKER: Okay, thank you.

17 UNIDENTIFIED SPEAKER: Brian, just a point
18 of clarification. These pins are obviously separated
19 from the assemblies. They're 12 foot long, half inch
20 diameter. Are these the only two pins that are
21 separate or do you have dozens or hundreds or is it
22 just these two, do you know?

23 MR. FORD: We do have some pins that we
24 verified are in another container in the pool. So
25 when -- one of the places that we've already went and

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1 looked was another container in the pool that was
2 designed to hold individual pins and the pins that the
3 document said would be in there were in there and no
4 others.

5 UNIDENTIFIED SPEAKER: So how many other
6 individual pins about?

7 MR. FORD: It was not many. It was on the
8 order of 7 or 9. It was just a (Inaudible).

9 UNIDENTIFIED SPEAKER: There's not a whole
10 lot of free pins in the pool, so if you --

11 MR. FORD: There's not a lot of them.

12 UNIDENTIFIED SPEAKER: Okay.

13 (Laughter.)

14 UNIDENTIFIED SPEAKER: Do they need
15 special containers, Brian? Are all the pins in
16 special containers?

17 MR. FORD: In general, they -- like even
18 these were put in a special container for holding pins
19 and that was what was documented back in 1979 and
20 1980. And so you wouldn't just take a pin and put it
21 by itself normally. And that's why we're
22 investigating all this is because we can't find the
23 container and we can't find the pins, so we're looking
24 at where else they could have been put in the pool,
25 outside of the container.

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1 UNIDENTIFIED SPEAKER: Are we looking for
2 an entire container? We're not looking for an entire
3 container?

4 MR. FORD: We've done an investigation
5 looking for the container and we didn't see it.

6 UNIDENTIFIED SPEAKER: Why would you take
7 them apart in the first place?

8 MR. FORD: The assembly?

9 UNIDENTIFIED SPEAKER: Yeah.

10 MR. FORD: Okay, that was done back in
11 1972 because they were trying to look at the effects
12 of some chloride that had gotten into the vessel at
13 that time to see whether it had an effect upon the
14 (Inaudible) and so General Electric and utilities were
15 trying to improve fuel performance and so this
16 assembly was taken apart so that G.E. could test some
17 of the pieces.

18 UNIDENTIFIED SPEAKER: Could you give us
19 an idea of how you -- I don't know this personally.
20 How did you discover that they weren't there? And how
21 do you discover something is not there?

22 MR. FORD: As we were doing this records
23 validation and verification, he was going back through
24 all of the records associated with the pool and he
25 found one record that talked about these pins being in

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1 the corner and so from there he went and looked and he
2 started pulling more records.

3 UNIDENTIFIED SPEAKER: So he had a
4 location where they were supposed to be?

5 MR. FORD: Yes, back in 1979 and 1980, the
6 records show a location.

7 UNIDENTIFIED SPEAKER: Okay.

8 UNIDENTIFIED SPEAKER: Now where I am, how
9 many times do you -- was there any account of what is
10 actually in the pool? Is it just an accounting once
11 every five years, ten years or when they sell the
12 plant or I mean, I'm not sure how that would work.

13 MR. FORD: We do do an inventory of our
14 special notes of material and it's just the way the
15 inventory is performed. Once the records become an
16 error, then it wasn't easy for somebody to pick up the
17 issue.

18 UNIDENTIFIED SPEAKER: It wouldn't have
19 been easy for someone to pick that up?

20 MR. FORD: No. This issue, once the error
21 had been introduced was just difficult for the person,
22 for the people to catch and when we were doing this
23 in-depth review, we identified.

24 UNIDENTIFIED SPEAKER: Then the inventory
25 that is for the purpose of doing what? If they had an

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1 inventory back in 1980, correct, and that would be for
2 the purpose of?

3 MR. FORD: We're required to provide an
4 update on here's the amount of special notes of
5 material we have on site.

6 UNIDENTIFIED SPEAKER: Okay.

7 MR. FORD: And we provide that on a
8 periodic basis.

9 UNIDENTIFIED SPEAKER: Periodic. Okay.

10 MR. FORD: Yes.

11 UNIDENTIFIED SPEAKER: And so that's
12 normally done how often would you say?

13 MR. FORD: I want to say semi-annually.

14 UNIDENTIFIED SPEAKER: Semi-annually?

15 MR. FORD: Yes.

16 UNIDENTIFIED SPEAKER: Obviously, it's
17 alarming that there's unaccounted for radioactive
18 material.

19 Are you willing to speculate, able to
20 speculate how this can happen, how often are things
21 moved around in the pool?

22 MR. FORD: Right now we can't speculate on
23 how it occurred. We're still in the middle of our
24 investigation and we just don't want to speculate on
25 how it occurred yet until we have more facts.

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1 UNIDENTIFIED SPEAKER: Is there a diagram
2 that we can see that kind of shows the configuration
3 of how the material is stored in the pool?

4 MR. FORD: We have a map, but it's very
5 big. I don't know whether you came on the tour?

6 UNIDENTIFIED SPEAKER: Yes.

7 MR. FORD: Basically, you have the pool of
8 water and in there you have racks where the individual
9 assemblies are set in the rack and that's basically
10 it. It just is a square of the assembly (Inaudible).

11 UNIDENTIFIED SPEAKER: I'm sorry
12 (Inaudible).

13 MR. FORD: Basically, they're stored in
14 dual locations inside the racks in the pool. We
15 currently have 2,884 fuel assemblies stored in those
16 racks and the pins that we're looking for are
17 components of a fuel assembly. So a fuel assembly for
18 the type of fuel that was -- the early type of fuel
19 that's in there would have 49 of these fuel pins in
20 each assembly.

21 UNIDENTIFIED SPEAKER: All right. As far
22 as shipping off-site and what I read in the paper and
23 correct me if I'm wrong, these things would have read
24 about 1000R per hour, thereabouts (Inaudible). Is it
25 conceivable that any facility, whether it be Barnwell

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1 or Hanford is allowed to take something of that
2 activity level?

3 MR. FORD: Yes.

4 UNIDENTIFIED SPEAKER: And have your
5 shipped items of comparable activity-wise to those?

6 MR. FORD: Yes.

7 UNIDENTIFIED SPEAKER: So you do have
8 records of everything that was shipped to either
9 Barnwell, to G.E. Morris or Hanford?

10 MR. FORD: That's one of the things that
11 we're trying to pull all the historical records to
12 look at.

13 UNIDENTIFIED SPEAKER: Okay. So it should
14 be -- you should be able to determine whether they
15 were, in fact, shipped, because you're going to have
16 records of so many curies shipped or something like
17 that?

18 MR. FORD: We're going through all of that
19 --

20 UNIDENTIFIED SPEAKER: I know. My
21 question is (Inaudible).

22 UNIDENTIFIED SPEAKER: Are there any other
23 -- sorry.

24 UNIDENTIFIED SPEAKER: Could you give us
25 an idea of the size of the canister the two rods were

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1 stored in? Was this something that holds both rods
2 and there are only two in this particular canister?

3 MR. FORD: Yes sir. It was about a 4 inch
4 by 4 inch canister, 12 feet long and it was made for
5 holding fuel pins and in there, these two were placed
6 in it. I don't remember the exact number, but I think
7 it would hold like six is what it was designed to hold
8 up to. It was four inches by four inches by 12 foot.

9 UNIDENTIFIED SPEAKER: That canister
10 couldn't have been shipped by itself. I mean it would
11 have to go into another canister or transportation?

12 MR. FORD: With these fuel pins in it, it
13 would have had to have gone into a shielded cask.

14 UNIDENTIFIED SPEAKER: Right.

15 UNIDENTIFIED SPEAKER: How much radiation
16 are we talking with a fuel rod, these two fuel rods.

17 MR. FORD: As Paul was saying, these fuels
18 would have been reading very high, around 1000R, so it
19 would not -- it would have been picked up by the
20 radiation monitors if it had been pulled out in
21 anything but a shielded cask.

22 UNIDENTIFIED SPEAKER: Can we ask
23 questions (Inaudible)?

24 UNIDENTIFIED SPEAKER: I'm going to wait
25 until we have all the questions from MIDAC first and

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1 then we will certainly get to the public. I don't
2 know if anybody else had any other questions.

3 Okay. (Inaudible) before we get to the
4 public questions or comments?

5 (Pause.)

6 We will now start questions from the
7 public. Yes?

8 UNIDENTIFIED SPEAKER: Can you tell us if
9 (Inaudible) is licensed to remove spent fuel from the
10 (Inaudible)?

11 MR. FORD: It is. You can ship spent fuel
12 to another facility that's licensed to have spent
13 fuel, yes.

14 UNIDENTIFIED SPEAKER: Would you say
15 (Inaudible)?

16 MR. FORD: Not to take spent nuclear fuel,
17 no. But there is other places where you can ship
18 spent fuel to.

19 UNIDENTIFIED SPEAKER: What other place
20 could you (Inaudible)?

21 MR. FORD: Morris, Pennsylvania. In years
22 past, there was going to be a reconstitution facility
23 built there and they accepted fuel from many utilities
24 to reprocess the fuel.

25 UNIDENTIFIED SPEAKER: Morris, Illinois.

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1 MR. FORD: Sorry, Morris, Illinois, wrong
2 State.

3 UNIDENTIFIED SPEAKER: Do we have any
4 others?

5 UNIDENTIFIED SPEAKER: Why do we have to
6 wait for the government to (Inaudible)?

7 MR. FORD: It's not designated for
8 permanent repositories and interim storage location.
9 When it was being -- when fuel was being transferred
10 there, they were planning to reprocess it back into
11 nuclear fuel. This was in the 1970s.

12 UNIDENTIFIED SPEAKER: I don't know the
13 exact dates, but the reprocessing of spent fuel was
14 shut off during Jimmy Carter's Administration.

15 UNIDENTIFIED SPEAKER: 1978.

16 UNIDENTIFIED SPEAKER: 1978. So prior to
17 1978, they were sending spent fuel to the facilities
18 with the understanding that they would be
19 reconstituted at a later time, when is the process
20 they currently use in Europe right now, but during the
21 Carter Administration they stop processing these fuels
22 and were just storing -- in other words (Inaudible)
23 and reuse them.

24 UNIDENTIFIED SPEAKER: (Inaudible) methods
25 that you say you do use (Inaudible).

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1 UNIDENTIFIED SPEAKER: It's not true.
2 (Inaudible). It's just a tremendous volume over a 20-
3 year period of time. You're talking hundreds of
4 thousands of --

5 UNIDENTIFIED SPEAKER: Yeah, but you're
6 (Inaudible).

7 UNIDENTIFIED SPEAKER: And we're not at
8 all pleased that it happened.

9 UNIDENTIFIED SPEAKER: Either are we.

10 UNIDENTIFIED SPEAKER: (Inaudible)
11 mentioned 1000 rems per hour. Would that be within
12 the site, outside the shielded canister, so outside
13 (Inaudible).

14 MR. FORD: I don't know the numbers, but
15 there's limits for the dose readings for these
16 transport casks and I just don't know what that number
17 is. It's certainly low.

18 UNIDENTIFIED SPEAKER: (Inaudible).

19 MR. FORD: It's fairly. I just don't
20 remember what the numbers are. There's some
21 transportation limits in the Code of Federal
22 Regulations that we have to --

23 UNIDENTIFIED SPEAKER: 200 millirems per
24 hour for the dry cask ones (Inaudible) these dry cask
25 ones that you're mentioning --

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1 MR. FORD: I really don't know.

2 UNIDENTIFIED SPEAKER: Does anybody here
3 have a guess?

4 UNIDENTIFIED SPEAKER: Well, (Inaudible).
5 Excuse me, the (Inaudible) for contact of a container
6 is what's called a sole use vehicle is 1R per hour,
7 but generally, it's 200 millirem per hour and 10 MR
8 (Inaudible).

9 UNIDENTIFIED SPEAKER: (Inaudible)

10 UNIDENTIFIED SPEAKER: That's for material
11 being shipped. I'm not saying (Inaudible).

12 UNIDENTIFIED SPEAKER: (Inaudible)

13 UNIDENTIFIED SPEAKER: If it's going to be
14 shipped that would have been in the requirements that
15 they would have had to meet.

16 UNIDENTIFIED SPEAKER: Nobody would even
17 think it was shipped at all or nobody hoped it was
18 shipped at all. How is it that you are not following
19 regulations for shipping it if you had to end up
20 shipping it?

21 MR. FORD: What he's saying is that -- to
22 ship a cask that we had filled with radioactive
23 material to send to a disposal site, those limits
24 would have applied to that cask, no matter what had
25 been put in it. It would have been verified to have

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1 met those limits before it was shipped and then when
2 it got to the disposal facility, they also do their
3 own verifications. Here's the contact readings and
4 that kind of activity.

5 UNIDENTIFIED SPEAKER: (Inaudible) the
6 readings of items that left your facility?

7 MR. FORD: We're checking all the records
8 we can find.

9 UNIDENTIFIED SPEAKER: The locations where
10 these may have gone to have those municipalities been
11 contacted to let them know that they're possibly
12 there?

13 MR. FORD: Yes, they have been contacted.

14 UNIDENTIFIED SPEAKER: (Inaudible)

15 UNIDENTIFIED SPEAKER: I don't understand
16 the question.

17 UNIDENTIFIED SPEAKER: Would the container
18 that's in Unit 1 racks, containing the fuel rod, would
19 it have fit into the Unit racks?

20 UNIDENTIFIED SPEAKER: I don't know what
21 the answer to that would be. But we've never
22 transferred fuel between units so --

23 UNIDENTIFIED SPEAKER: Well, we don't know
24 what we did with this fuel.

25 UNIDENTIFIED SPEAKER: Right.

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1 UNIDENTIFIED SPEAKER: Well, you would
2 have known if you took it out of the building.

3 UNIDENTIFIED SPEAKER: Okay, so it's in
4 the building then. We've determined that. It hasn't
5 been moved to off-site.

6 UNIDENTIFIED SPEAKER: And it's not
7 dangerous.

8 UNIDENTIFIED SPEAKER: Is that what we're
9 saying?

10 UNIDENTIFIED SPEAKER: What I'm saying is
11 is that the best of our knowledge it's in the spent
12 fuel pool. That's what's it's designed to store spent
13 fuel and it's of no risk or danger to the public.

14 If it was removed from the spent fuel pool
15 because of the high radiation levels, it had to be put
16 into a shipping cask and that cask would be the only
17 way you could get it out of the pool and that cask is
18 also designed to protect the health and safety of the
19 public and the workers out there. If it wasn't, you
20 wouldn't have set off every alarm in the place,
21 whether it was at Millstone or wherever it went, you
22 just couldn't take that higher level piece of
23 radioactive material out of the pool unless it was in
24 some kind of a cask. So it's either in the pool or it

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1 was put in a cask and removed from the site and that's
2 the only two possibilities that you could have.

3 UNIDENTIFIED SPEAKER: It could have been
4 put in the cask and moved to the Unit 2 pool?

5 UNIDENTIFIED SPEAKER: I just don't think
6 that's even a remote possibility.

7 UNIDENTIFIED SPEAKER: Yo keep track of
8 the number of casks that you have? Are there that
9 many casks?

10 UNIDENTIFIED SPEAKER: The casks are
11 basically contract (Inaudible), so it's a service
12 that's provided to the industry, so we (Inaudible)
13 take the casks (Inaudible). We don't own any
14 shippings ourselves that I know of.

15 UNIDENTIFIED SPEAKER: Is everything
16 transported by truck on a highway or has anything gone
17 by rail?

18 MR. FORD: I just don't know.

19 UNIDENTIFIED SPEAKER: Just low level
20 waste that you normally ship out?

21 MR. FORD: In general, truck transport is
22 what is used.

23 UNIDENTIFIED SPEAKER: And the shipping
24 containers are then buried, I assume? (Inaudible)

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1 MR. FORD: The shipping cask itself isn't
2 buried. Basically, we put all the material into
3 what's called a liner and then put the shipping cask
4 over the liner inside the pool and that's all
5 transported to South Carolina. They take it out of
6 the shipping cask and then bury the contents and the
7 liner and then the shipping cask is used again at
8 other locations. So they do end up burying the
9 materials in the liner.

10 UNIDENTIFIED SPEAKER: The liner is
11 (Inaudible) after 20 years (Inaudible). How long is
12 that liner (Inaudible) to last before it starts
13 degrading in the soil?

14 MR. FORD: I don't know the answers to
15 those questions. I do know that the facilities where
16 (Inaudible) and Richland, both of them environmental
17 impact statements and they've looked at here's the
18 effects of the -- of disposal of these materials in
19 their facilities. And looked at liners and transports
20 of materials, those kind of activities. I just don't
21 know the details of the liner design.

22 UNIDENTIFIED SPEAKER: If they're at
23 Hanford, they are leaking.

24 UNIDENTIFIED SPEAKER: Barnwell has no
25 liners. They don't have liners at Barnwell.

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1 MR. FORD: These are just the packing
2 liners. I wasn't talking about a liner around --

3 UNIDENTIFIED SPEAKER: I thought she was.

4 MR. FORD: -- the facility.

5 UNIDENTIFIED SPEAKER: Is it true that you
6 found radioactive material outside the controlled
7 areas recently as last week?

8 MR. FORD: I'm really not sure.

9 UNIDENTIFIED SPEAKER: I heard an alarm go
10 off, but I don't know if it was last Thursday or the
11 day before. It went off for about 20 minutes at least
12 and I called the police. They hadn't had any notice
13 of it. I heard it -- I live in an apartment near St.
14 John's Church and I heard it. I was supposed to go to
15 a meeting and I went down to the precinct and they
16 hadn't heard it. I called the State Police. Somebody
17 by accident had tripped it off. (Inaudible)

18 UNIDENTIFIED SPEAKER: (Inaudible) it
19 takes some amount of time to disconnect the siren and
20 turn it off.

21 UNIDENTIFIED SPEAKER: (Inaudible)

22 UNIDENTIFIED SPEAKER: Do we have any
23 other questions from the public?

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1 UNIDENTIFIED SPEAKER: Back to the
2 question of the (Inaudible), how long are they
3 designed to last?

4 MR. FORD: I really don't know.

5 UNIDENTIFIED SPEAKER: How can you assure
6 us that your company is confident that these rods in
7 the present state, wherever they are, pose no undue
8 risk to the public? I'm just wondering how you can
9 make that assurance if you don't even know the design
10 specifications of the containers that they may or may
11 not be in. Also, the length of the time, 8 years over
12 the potential loss?

13 MR. FORD: If they're still in the spent
14 fuel pool, then we've talked about the issues
15 associated with the pool. If they were shipped off in
16 a shielded cast, and went to an area, to a facility
17 that is monitored and has a monitoring program to
18 insure the safety of the surrounding areas --

19 UNIDENTIFIED SPEAKER: If I could just
20 follow up on that. I know Congressman Edward J.
21 Martin has raised concern about the possibility that
22 the rods may not be in the possession of any licensed
23 facility at all and in fact, may have been stolen or
24 diverted.

25 Can you give us any assurances there?

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1 MR. FORD: The rods were 1000R per hour,
2 approximately, so they were very radioactive and it
3 would be very difficult to steal or divert one of
4 these shipping casks. They would have had to have
5 left the pool in a shielded container.

6 UNIDENTIFIED SPEAKER: Is it possible they
7 may have been cut up and put into smaller pieces so
8 that they would fit into some other kind of container
9 other than what you've been looking for?

10 MR. FORD: We have looked at -- if it was
11 cut up into smaller pieces and taken out of the pool
12 and (Inaudible) monitors in the area around the pool
13 who have activated then also.

14 UNIDENTIFIED SPEAKER: With the past
15 history at Millstone, there's a lot of problems.
16 You're talking 20 years ago, probably before a lot of
17 these people were here. A lot of problems that are
18 uncovered as far as reports -- so how can we really
19 say that an alarm didn't go off and it was just
20 ignored?

21 UNIDENTIFIED SPEAKER: (Inaudible)

22 UNIDENTIFIED SPEAKER: (Inaudible)

23 UNIDENTIFIED SPEAKER: We're not talking
24 present. We're talking years ago. History wasn't
25 that good.

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1 UNIDENTIFIED SPEAKER: (Inaudible)
2 decommissioning maybe you should know some of the
3 questions that have been asked over the years.

4 MR. FORD: Let me respond. One of the
5 things that (Inaudible) --

6 UNIDENTIFIED SPEAKER: I'm the general
7 manager for Unit 1, decommissioning. Brian Ford is
8 the Decommissioning Director. This is a historical
9 item as we have through (Inaudible) discrepancies in
10 the records that shows that material was in a certain
11 place at one time and (Inaudible). We're trying to go
12 through and resurrect that and look at all the
13 documents. As Brian and (Inaudible) have said, there
14 are two significant evolutions that are taking place
15 (Inaudible) resurrected. One is a physical search
16 within the pool to try to locate the pins. The other
17 is the records search which very possibly can provide
18 an answer (Inaudible). But we're very early into this
19 and as Brian said earlier, it's going to take many,
20 many weeks to resolve this. We are asking ourselves
21 a lot of these questions, but if you really, early on
22 -- it's a historical evolution that we're trying to go
23 back and resurrect.

24 UNIDENTIFIED SPEAKER: I think the thing
25 that is the most upsetting is (Inaudible) and have

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1 many years (Inaudible) and never found it. Pretty
2 bad.

3 UNIDENTIFIED SPEAKER: I'd like to ask who
4 discovered it and who was (Inaudible) to expose it?
5 Many things have not been exposed down at the plant,
6 many, many times. And why is this -- even though it's
7 no danger to the public, why was this exposed and who
8 exposed it?

9 UNIDENTIFIED SPEAKER: As we mentioned
10 through this other question (Inaudible) this took
11 place as a decommissioning activity. Unit 1 has been
12 permanently shut down and defueled (Inaudible).
13 (Inaudible) and to go through and to find everything
14 that's in the spent fuel pool for preparations for
15 some type of long term fuel storage, we will
16 reconstitute all the (Inaudible). So this item came
17 up. This item was treated just like any other
18 discrepancy that was identified. We have a condition
19 report system within the plant where this was
20 identified and it was identified as we went through
21 that process of near term of exposing this or making
22 it known, not only within management, but also with
23 the regulatory agencies that this possibility existed
24 as we went down the path and we were not able to
25 resurrect it, then it became an additional item that

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1 we had to take additional resources and additional
2 plans to try to go through and resolve.

3 UNIDENTIFIED SPEAKER: That sounds good.

4 UNIDENTIFIED SPEAKER: But a follow up to
5 that would be how do know that Millstone 2 and
6 Millstone 3 aren't missing rods?

7 UNIDENTIFIED SPEAKER: I'm sorry, I only
8 am at 1.

9 MR. FORD: We have gone back and conducted
10 an extensive (Inaudible) of Unit 2 and Unit 3 and
11 currently have the same people that are doing an
12 oversight on Unit 1 looking at those records,
13 verifying that what they did there was appropriate.
14 Right now, we're 100 percent that we do not have any
15 discrepancies on the (Inaudible) refuel pool, but we
16 are going back and verifying that with an outside
17 group of individuals to verify that there were no
18 errors made there either.

19 UNIDENTIFIED SPEAKER: Didn't the
20 utilities have to go through a process of verifying
21 its design basis in 1996 and wasn't it necessary at
22 that time to disclose that there were two missing
23 spent fuel rods in Unit 1?

24 MR. FORD: No, it wasn't a requirement at
25 that time. In the 5050 (Inaudible), the decision was

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1 made that the amount of money it would cost to
2 (Inaudible) the design basis, basically made that plan
3 uneconomical, so the decision was made for
4 decommissioning and shut it down. (Inaudible)

5 UNIDENTIFIED SPEAKER: So there was no
6 design basis certification for Unit 1?

7 MR. FORD: Not on Unit 1, no.

8 UNIDENTIFIED SPEAKER: But (Inaudible)
9 generally disclosed the (Inaudible)?

10 UNIDENTIFIED SPEAKER: I don't have an
11 answer to that. I don't know if we did a spent fuel
12 pool audit when we did the design verification. I'm
13 not sure if that was part of the criteria or not.

14 MR. FORD: The review assessment team that
15 was put together to look at this initially concluded
16 that the probability of the fuel pins are in the pools
17 are equal to and not greater than the probability that
18 they were shipped to another licensed facility, so it
19 sounds like 50-50 chance, maybe a little better chance
20 that it's still in the pool.

21 (Inaudible) said earlier it's very likely
22 it's in the pool and we're just trying to look at
23 which is a more accurate assessment of the situation.

24 UNIDENTIFIED SPEAKER: I think you'll say
25 that it's 60-40, 50-50, it's either in the pool or

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1 it's in a cask, but that's pure speculation at this
2 point in time. The feeling is that that's the only
3 two places it could be.

4 UNIDENTIFIED SPEAKER: Maybe the town dump
5 (Inaudible).

6 MR. FORD: I don't think that's possible.
7 In fact, there's no contamination on (Inaudible)
8 field. We did extensive studies of that field and
9 (Inaudible) independently by the State of Connecticut
10 DEP and by the NRC. Three samples were taken in that
11 field and it was given a clean bill of health.

12 UNIDENTIFIED SPEAKER: (Inaudible)

13 MR. FORD: Pardon me?

14 UNIDENTIFIED SPEAKER: Did you find any
15 radioactive material (Inaudible) to that?

16 MR. FORD: We found it on our property,
17 owner-controlled property, not on the ball field --

18 UNIDENTIFIED SPEAKER: Adjacent to the
19 ball field?

20 MR. FORD: Our property is adjacent to the
21 ball fields.

22 UNIDENTIFIED SPEAKER: Question, if this
23 Agency that is conducting the proceedings, a
24 governmental agency?

25 UNIDENTIFIED SPEAKER: (Inaudible)

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1 UNIDENTIFIED SPEAKER: I'd like to make a
2 request that you officially make a request of
3 Northeast Utilities to provide you with documents that
4 would establish the licensed facilities to which you
5 have radioactive materials including high level spent
6 fuel in the history of the plant and verification that
7 all those States along the transportation route have
8 been verified. And also, a description of the --
9 actually, I have a whole list of things that I would
10 like to ask this group to request of Northeast
11 Utilities. (Inaudible) and we would be very happy to
12 put together a list that would be detailed that would
13 ask you to request of Northeast Utilities given this
14 extraordinary breach of public trust, really a
15 betrayal of the public trust for so many years. The
16 company has been in this community, relying -- the
17 community has been in reliance upon its ability to
18 operate the plants without unnecessarily exposing the
19 public here and who knows where else to unnecessarily
20 risk. So I would like to make that request.

21 UNIDENTIFIED SPEAKER: Could you make that
22 in writing? Some of that information may or may not
23 be public information and we'd have to sort that out
24 first.

25 UNIDENTIFIED SPEAKER: I'd be happy to.

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1 UNIDENTIFIED SPEAKER: If you could put
2 that in writing, that would be fine.

3 UNIDENTIFIED SPEAKER: Speaking here as a
4 citizen, I'm going to deal with the political office
5 that I hold. (Inaudible) the school closest to the
6 nuclear power plant for 24 years. I am concerned
7 about this, but it happened 28 years ago and the
8 current management has really come forth with this and
9 I want to thank them for that, but it doesn't help
10 with the credibility of the operation of the plant.
11 They seem to shoot themselves in the foot every so
12 often here. I would like to thank you for holding
13 this forum and suggest that you hold another one as
14 soon as the information is available as to what has
15 happened so we can get a clear explanation of that,
16 please.

17 UNIDENTIFIED SPEAKER: I will explain
18 also, Dr. Ferry (Phonetic), that (Inaudible) there
19 will be information that will be forthcoming by that
20 point in time. (Inaudible) February. So hopefully
21 by that point in time there will be something more
22 solid to report. (Inaudible) be able to explain more
23 about those, but yes, we will be following up on this,
24 absolutely.

25 Are there any more questions?

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1 UNIDENTIFIED SPEAKER: Yes. (Inaudible)
2 sale of Dominion?

3 MR. FORD: To the best of my knowledge,
4 right now, it's not had an impact on the (Inaudible).
5 It will obviously be Northeast Utilities'
6 responsibility because it happened on their watch
7 (Inaudible).

8 UNIDENTIFIED SPEAKER: Other than the NRC,
9 is there any other federal agency involved in this
10 investigation, considering that there could be the
11 remote possibility that it was stolen?

12 UNIDENTIFIED SPEAKER: Not to my
13 knowledge. It will be up to the NRC to oversee
14 (Inaudible).

15 UNIDENTIFIED SPEAKER: (Inaudible) search
16 for this?

17 UNIDENTIFIED SPEAKER: This is -- I'm
18 sorry, I'm Dr. (Inaudible) for the Department of
19 Environmental Protection. This is a regulatory -- NRC
20 has jurisdiction over licensing issues (Inaudible).
21 (Inaudible) looks at it and reviews it and will be
22 making comments to the NRC, but as far as us having
23 jurisdiction directly (Inaudible) by federal law.

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1 UNIDENTIFIED SPEAKER: Excuse me, could
2 the speaker be more specific as to what the Agency is
3 doing to monitor this?

4 UNIDENTIFIED SPEAKER: (Inaudible) we meet
5 with NRC and the licensee and follow along with all
6 the activities that they are taking in their search
7 for these fuel pins. And we made comments whether we
8 concur or disagree of what's been done. As a point of
9 information to the NRC and give recommendations. To
10 date, we are agreeing with the NRC and the licensee
11 and the actions that they are taking to find these
12 fuel pins.

13 UNIDENTIFIED SPEAKER: A follow-up
14 question. Isn't it correct that your Agency keeps
15 records which Northeast Utilities is required to file
16 concern transport of radioactive materials from the
17 site? And in conjunction with that (Inaudible)
18 examines your own records?

19 UNIDENTIFIED SPEAKER: Are you referring
20 to the low level radioactive waste manifest?

21 UNIDENTIFIED SPEAKER: Any kind of
22 radioactive waste (Inaudible) includes radioactive
23 (Inaudible).

24 UNIDENTIFIED SPEAKER: The requirements
25 and correct me if I'm wrong, but the requirement for

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1 facilities which send copies of the manifest of the
2 low level radioactive waste shipments did not come
3 about until the late 1980s.

4 UNIDENTIFIED SPEAKER: What about high
5 level, high level waste shipments?

6 UNIDENTIFIED SPEAKER: There was no
7 requirement as far as I know in the (Inaudible) in the
8 time frame of the early 1980s that would have required
9 them to file with the Department of Environmental
10 Protection on their manifest (Inaudible) radioactive
11 (Inaudible).

12 UNIDENTIFIED SPEAKER: But there's a
13 requirement --

14 UNIDENTIFIED SPEAKER: There is now.

15 UNIDENTIFIED SPEAKER: Has your Agency
16 gone through a record search?

17 UNIDENTIFIED SPEAKER: This time period is
18 before the time that we would have had the records.

19 UNIDENTIFIED SPEAKER: Are you sure?

20 UNIDENTIFIED SPEAKER: Uh-huh. We don't
21 have any predictable date when they were lost. We
22 just have the last date they were seen which is 20
23 years ago. They might have been shipped out as
24 recently as six months ago (Inaudible) during the
25 decommissioning.

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1 UNIDENTIFIED SPEAKER: The record we would
2 have would be the copies of what Millstone has sent to
3 us.

4 UNIDENTIFIED SPEAKER: So is it the fact
5 that your office has not reviewed its own records?

6 UNIDENTIFIED SPEAKER: No, we have not.

7 UNIDENTIFIED SPEAKER: (Inaudible)

8 UNIDENTIFIED SPEAKER: If someone knew
9 what happened, I would think they might be afraid to
10 speak up because something more might have been done
11 and I was wondering if that is any potential
12 impediment. If people would be willing to speak up
13 and say yes, I recall or we misidentified or
14 (Inaudible). How well is it going with talking about
15 personnel at that time and had they been willing
16 (Inaudible).

17 UNIDENTIFIED SPEAKER: (Inaudible)

18 UNIDENTIFIED SPEAKER: I think contrary to
19 that we've had a lot of -- people have seen this and
20 people have called and offered comments and tried to
21 help and we take (Inaudible) very seriously. So we've
22 had quite a bit of calling in saying I've worked back
23 here and here's some information and fortunately those
24 have not provided anything (Inaudible).

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1 UNIDENTIFIED SPEAKER: Well, you've had
2 formal interviews with prior employees, haven't you?

3 UNIDENTIFIED SPEAKER: Yes, we have done
4 some formal (Inaudible).

5 UNIDENTIFIED SPEAKER: So it hasn't always
6 been the case that there have been administrative
7 requirements that Northeast Utilities keep close track
8 of all fuel and high level radioactive waste leaving
9 aside (Inaudible). Would that be a fair statement?

10 Somebody at the station was ultimately
11 responsible for keeping a record of the departure of
12 any high level radioactive waste (Inaudible)?

13 UNIDENTIFIED SPEAKER: Yes.

14 UNIDENTIFIED SPEAKER: So that there
15 should be records that would have been maintained by
16 whoever was in charge of the site during the
17 intervening years. Wouldn't that be correct?

18 MR. FORD: And that's why we're doing our
19 records reviews and attempting to find any pertinent
20 records we can.

21 UNIDENTIFIED SPEAKER: I have a question.
22 (Inaudible) what are the utilities' options? Would
23 they bring it back or do something with it where it
24 is? Do we know? Do we have any idea?

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1 UNIDENTIFIED SPEAKER: I really don't have
2 an answer to that. It would depend on if we find that
3 we had shipped the material off site which would be
4 illegal, it would be a violation of our license, it
5 would be basically in the hands of the NRC to decide
6 what form of remediation would be required and I
7 assume it would the responsibility of Northeast
8 Utilities to meet those requirements, whether they
9 have (Inaudible).

10 UNIDENTIFIED SPEAKER: Okay.

11 UNIDENTIFIED SPEAKER: So to tell you what
12 would happen if they were there, I don't know.

13 UNIDENTIFIED SPEAKER: To follow up on
14 that, I think that was the question I started off with
15 is are you licensed to remove the spent fuel from the
16 site and Mr. Rothman just indicated that it would be
17 a license violation to do so. Is that correct?

18 UNIDENTIFIED SPEAKER: In this particular
19 case, if we had inadvertently moved spent fuel off the
20 site and had not identified it as spent fuel it would
21 be a violation, yes.

22 UNIDENTIFIED SPEAKER: So that is
23 contradictory to what Brian stated at the onset?

24 UNIDENTIFIED SPEAKER: If we ship the fuel
25 off-site that fuel as spent fuel would be in

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1 compliance with the requirements. But right now we
2 don't think that's what happened.

3 UNIDENTIFIED SPEAKER: (Inaudible) of
4 Citizens Regulatory Commission, Fish Unlimited,
5 Connecticut Coalition against Millstone and now
6 Nuclear Pollution.

7 My question is anybody from the NRC
8 present this evening?

9 UNIDENTIFIED SPEAKER: No, there's no one
10 here from the NRC.

11 UNIDENTIFIED SPEAKER: Were they notified?

12 UNIDENTIFIED SPEAKER: No, they were not
13 notified.

14 UNIDENTIFIED SPEAKER: They were not
15 notified?

16 UNIDENTIFIED SPEAKER: No, they weren't
17 because it's our forum here for MIDAC at the moment
18 and we wanted to have the opportunity for the public
19 to come in and to address the issues that they wanted
20 to address with Northeast Utilities only.

21 UNIDENTIFIED SPEAKER: So any answers we
22 get we get them from Northeast, so many contractors
23 here and this is their bread and butter and they'll
24 say what they have to.

25 Thank you.

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1 UNIDENTIFIED SPEAKER: I'd like to clarify
2 something on that, Joe. The moment we identified the
3 fact that -- the discrepancy in the records, we
4 immediately notified all the proper agencies and in
5 addition to that, we called all people that had a
6 vested interest in what goes on. I called you, as an
7 example, the (Inaudible). I called (Inaudible). We
8 called the Selectman. We called people in the various
9 towns. We called the DUP and everyone that we could
10 think of that would have an interest in this. We
11 notified as soon as we found out about it. We're not
12 trying to hide anything with this and when the NRC was
13 made aware of it, they put it on their website so it
14 was public knowledge. It's not the implication that
15 we're trying to hide something. We're not. It's not
16 something we're happy about. It's a situation we find
17 ourselves in and we're trying to resolve it, but
18 nobody is trying to lie to anybody or trying to hide
19 anything. That's not the purpose of this meeting.

20 UNIDENTIFIED SPEAKER: Another question.
21 Will this problem have to be straightened before April
22 when this sale to Dominion goes through?

23 UNIDENTIFIED SPEAKER: I don't know the
24 answer to that.

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1 UNIDENTIFIED SPEAKER: Because Dominion
2 also, we'll have to keep a sharp eye on them based on
3 their past history with total of nine deaths.

4 UNIDENTIFIED SPEAKER: You said you called
5 everyone, wasn't that regulated by statute and when
6 you claim you gave 24 hour notice of loss of special
7 nuclear materials?

8 UNIDENTIFIED SPEAKER: I don't think that
9 was the case. In this initial investigation we didn't
10 feel we lost it, it just wasn't in the location where
11 it was previously described and there's a time frame
12 of 30 days before we'd have to make a formal
13 notification to the NRC about that and we took the
14 action to notify everyone.

15 UNIDENTIFIED SPEAKER: Did it take 45
16 days?

17 UNIDENTIFIED SPEAKER: Thirty days for
18 written notification if there's a discrepancy in your
19 audit of spent fuel pool.

20 UNIDENTIFIED SPEAKER: How many days has
21 gone by since you've notified them?

22 UNIDENTIFIED SPEAKER: Since we've
23 notified them?

24 UNIDENTIFIED SPEAKER: Since you found out
25 that the fuel is missing?

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1 UNIDENTIFIED SPEAKER: I have an NRC
2 weekly information report, November 24, 2000.

3 UNIDENTIFIED SPEAKER: (Inaudible)
4 December, I think.

5 UNIDENTIFIED SPEAKER: December 16th, I
6 believe, when it had been made, the report on December
7 14th.

8 UNIDENTIFIED SPEAKER: What was the date
9 when the rods were discovered missing?

10 UNIDENTIFIED SPEAKER: Off the top of my
11 head, I don't know.

12 UNIDENTIFIED SPEAKER: November 16th is
13 when we identified in a document of the discrepancy.

14 UNIDENTIFIED SPEAKER: And when was the
15 last inventory of spent fuel at Unit 1?

16 UNIDENTIFIED SPEAKER: I don't remember.

17 UNIDENTIFIED SPEAKER: Was it in the past
18 year?

19 UNIDENTIFIED SPEAKER: If I remember
20 correctly, it's a biannual requirement, so it would
21 have been done some time earlier.

22 UNIDENTIFIED SPEAKER: So it would have
23 been done six months prior to November 16th?

24 UNIDENTIFIED SPEAKER: Yes.

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1 UNIDENTIFIED SPEAKER: And it wasn't
2 noticed at that time?

3 UNIDENTIFIED SPEAKER: This wasn't being
4 done to perform our standard semi-annual audit. This
5 was being done as a decommissioning effort.

6 UNIDENTIFIED SPEAKER: There's enough
7 (Inaudible) employees, how do you think this is going
8 to affect the fact that the NRC granted you more
9 (Inaudible), do you not think they're going to look at
10 that and say you can't control how much fuel you had
11 before, (Inaudible) store more?

12 UNIDENTIFIED SPEAKER: I really can't
13 speak for the NRC (Inaudible). I don't think the two
14 are comparable, but it's purely their decision.

15 UNIDENTIFIED SPEAKER: (Inaudible)

16 UNIDENTIFIED SPEAKER: They're basically
17 a big T or an X. These rods are a rod about the size
18 of your finger 12 feet long. They don't look anything
19 like a control rod.

20 UNIDENTIFIED SPEAKER: (Inaudible) objects
21 out for shipment?

22 UNIDENTIFIED SPEAKER: I wouldn't say
23 routinely, but we have used them, yes.

24 UNIDENTIFIED SPEAKER: Have they ever been
25 shipped?

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1 UNIDENTIFIED SPEAKER: What?

2 UNIDENTIFIED SPEAKER: The fuel rods?

3 UNIDENTIFIED SPEAKER: Control rods? No,
4 control rods have been, yes.

5 UNIDENTIFIED SPEAKER: They're used?

6 UNIDENTIFIED SPEAKER: They would be used
7 control rods, yes ma'am. They would also go in one of
8 these shielded casks that we've been talking about for
9 shipment.

10 UNIDENTIFIED SPEAKER: I think you're
11 confusing the two. She's saying fuel rod and you're
12 saying control rod.

13 UNIDENTIFIED SPEAKER: Sorry, I guess I
14 was connecting it back to his question. We have not
15 routinely shipped fuel rods.

16 UNIDENTIFIED SPEAKER: (Inaudible)

17 UNIDENTIFIED SPEAKER: There is some
18 documentation that some -- three foot and special test
19 rods were shipped back in the 1970s and the
20 documentation from where they were shipped to and this
21 shows that that's what they were. So yes, we did ship
22 spent nuclear fuel in accordance with the
23 requirements, but it wasn't these two pins, some all
24 the documentation.

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1 UNIDENTIFIED SPEAKER: And you're not
2 going to be shipping any of the present rods?

3 UNIDENTIFIED SPEAKER: I know of no plans
4 to ship any.

5 UNIDENTIFIED SPEAKER: Has the fuel pool
6 been reracked at any time in the last, since it was
7 initiated, to store more fuel?

8 UNIDENTIFIED SPEAKER: 1988.

9 UNIDENTIFIED SPEAKER: 1988 was the
10 reracking?

11 UNIDENTIFIED SPEAKER: Yes.

12 UNIDENTIFIED SPEAKER: You would think you
13 would have picked it up then.

14 UNIDENTIFIED SPEAKER: (Inaudible)
15 inventory of the pool at this point?

16 UNIDENTIFIED SPEAKER: We have done some
17 investigation in the pool, some camera work. We've
18 looked in some locations. There's other areas that we
19 need to go look in and that's what --

20 UNIDENTIFIED SPEAKER: What percentage of
21 the pool you've looked at was looked at?

22 UNIDENTIFIED SPEAKER: I'm not sure you
23 can put it in a percentage. We've looked in the
24 places where we thought that there was a -- we had
25 some indications that they could be there, either by

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1 some of these people calling in saying we think it may
2 be here or if it was easy. So we've looked in
3 -- I can't give you a percentage, but we've looked in
4 quite a few locations. We've already had two
5 different groups come in and do some specialized work.
6 We're looking at the next set of places where it could
7 be starting as Frank said, Saturday.

8 UNIDENTIFIED SPEAKER: Basically, we only
9 looked (Inaudible). It wasn't in any obvious
10 location, so we needed a much more systematic approach
11 and had to expand the discovery -- a very thorough
12 (Inaudible) and that's where we are right now. So we
13 initially thought we'd be able to solve it fairly
14 readily. Obviously, that's not the case and we find
15 ourselves in the situation where we have (Inaudible)
16 process to go through to look at the entire pool and
17 (Inaudible).

18 UNIDENTIFIED SPEAKER: Other than the fact
19 that they're (Inaudible), how can you distinguish them
20 from all the thousands of rods?

21 UNIDENTIFIED SPEAKER: With general
22 records, we're somewhat fortunate. G.E. is a
23 manufacturer that has a unique ID number of every fuel
24 pin that they have, so 140,000 have their own number
25 in that pool.

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1 UNIDENTIFIED SPEAKER: How bent are they?

2 UNIDENTIFIED SPEAKER: One of them is bent
3 and it was just bent too much to put back in the
4 assembly, the tolerances are very tight. The other
5 one, because of the way the assembly was put back
6 together, just couldn't go back in because of some
7 specialized equipment had been brought in to put it
8 in. So one of them wasn't bent. The other one, a top
9 screw piece was bent on it.

10 UNIDENTIFIED SPEAKER: Okay.

11 UNIDENTIFIED SPEAKER: It's interesting,
12 you know how small the bend was in it, but you can't
13 locate it. You have physical documentation of what --
14 how it was bent, but you don't know where it is.

15 UNIDENTIFIED SPEAKER: That's the very
16 reason (Inaudible) we do a search of the records.
17 We've got the answers there. We've got to compile the
18 records and go through and see (Inaudible). Rather
19 than doing just the records, we also take very
20 seriously in doing a physical search.

21 UNIDENTIFIED SPEAKER: (Inaudible)

22 UNIDENTIFIED SPEAKER: Are you going to
23 continue the decommissioning?

24 UNIDENTIFIED SPEAKER: We are performing
25 decommissioning activities until 4/1.

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1 UNIDENTIFIED SPEAKER: I don't understand
2 (Inaudible) was this rod fissioned?

3 UNIDENTIFIED SPEAKER: Yes.

4 UNIDENTIFIED SPEAKER: To what level of
5 radioactivity is expected to be found at this present
6 time?

7 UNIDENTIFIED SPEAKER: I don't remember
8 the curies number, but a contact radiation level is
9 about now 850R per hour, right at that area. Back in
10 the 1980s it would have been about a 1000R per hour.

11 UNIDENTIFIED SPEAKER: How about the
12 distance reading, 10B, 20B?

13 UNIDENTIFIED SPEAKER: I just didn't bring
14 those numbers with me. We've done some calculations
15 on it. They're in the verification process. So are
16 just the numbers I remember.

17 UNIDENTIFIED SPEAKER: This is a historic
18 event. There's no other place in the country that's
19 sitting down talking about this right now.

20 UNIDENTIFIED SPEAKER: Time for a couple
21 more questions here?

22 UNIDENTIFIED SPEAKER: Yes, is there any
23 -- can you tell me is there any management working on
24 Unit 2 and 3 that has worked on Unit 1 that's still

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1 there? They must be still working after 20 years or
2 15 years. Are they still with the plant somewhere?

3 UNIDENTIFIED SPEAKER: Yes ma'am
4 (Inaudible).

5 UNIDENTIFIED SPEAKER: Can they be made
6 partly responsible? (Inaudible)

7 UNIDENTIFIED SPEAKER: I'm sure they could
8 (Inaudible).

9 UNIDENTIFIED SPEAKER: (Inaudible)

10 UNIDENTIFIED SPEAKER: I have a question
11 and a comment. Reading in the papers comments from
12 the Northeast Utilities and officials, they said that
13 there was no -- I'm not quote directing -- no danger
14 to the public or hazard or public hazard. How the
15 heck do they know, that's number one, when they don't
16 know what happened to the rods. They may have been
17 shipped to a low level site, according to the press
18 and in that case, people may have been exposed in
19 transit. And at the site. There is a certain
20 carelessness going on in the nuclear industry of
21 radioactive waste.

22 The comment I have to make about this is,
23 please, I think you guys ought to realize that you're
24 the laughing stock of the community. People who don't
25 know much about the technology are laughing every time

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1 they read and I'm talking about the ordinary citizen,
2 every time they read there's no hazard to the public,
3 no danger. Everybody laughs because it's become a
4 joke. I think you ought to change your mantra
5 frankly.

6 UNIDENTIFIED SPEAKER: Getting back to the
7 question then, you wanted to find out about the public
8 safety aspect?

9 UNIDENTIFIED SPEAKER: Yes. I definitely
10 want to know if this thing is not in a fuel pool right
11 now, and has been shipped and by the way when you say
12 that the control rod blades are kept -- are shipped --
13 you imply that it was safe, I know of the history of
14 how they sometimes have shipped control rod blades,
15 wet and dripping, on the back of flatbed trucks in
16 cardboard boxes. I know of the history of that. And
17 I was actually face to face with one of your public
18 relations men when that incident took place when the
19 thing broke loose at a coffee stop and the radiation
20 control officer of the State involved had to come down
21 there with his rad alert and check it out and this
22 control rod blade had slipped out of the top seven
23 boxes on top. I'm not convinced that you're doing all
24 of this work safely. And I would like to know just
25 how -- if this thing is outside of the fuel pool and

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1 has been shipped somewhere, how much danger is there
2 actually to the public.

3 UNIDENTIFIED SPEAKER: Brian?

4 MR. FORD: If it was shipped out of
5 Millstone, as we said, so that -- to prevent the
6 radiation monitors from going off when it was shipped,
7 it would have had to have come out in a shielded cask,
8 just due to the radiation levels.

9 UNIDENTIFIED SPEAKER: What would they
10 have done then?

11 MR. FORD: Shipped it out --

12 UNIDENTIFIED SPEAKER: Why would they have
13 shipped it out?

14 MR. FORD: Oh, we're not saying that they
15 -- we know of no reason why they would have
16 intentionally shipped it out.

17 UNIDENTIFIED SPEAKER: Then how do you
18 know it was put in a shielded cask or that there was
19 a radiation monitor available if that was the case?

20 MR. FORD: To the best of my knowledge,
21 there's always been radiation monitors required at
22 Millstone and all of the other nuclear plants.

23 UNIDENTIFIED SPEAKER: I remember at Three
24 Mile Island, most of the radiation monitors were not
25 functioning.

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1 MR. FORD: As we've said in the past,
2 we're still in the investigation phase ourselves,
3 trying to determine the history of how this occurred
4 and what occurred.

5 UNIDENTIFIED SPEAKER: You have to realize
6 --

7 UNIDENTIFIED SPEAKER: I have to agree
8 with her that you can't say there's no threat to the
9 public when there really is. It might be minute, but
10 you can't say there is no threat. There is.

11 UNIDENTIFIED SPEAKER: And the NRC backed
12 you up.

13 UNIDENTIFIED SPEAKER: You don't really
14 know.

15 UNIDENTIFIED SPEAKER: We do have to say
16 that because of the radiation levels, and recognize,
17 one thing we haven't said is with the work in handling
18 these would have been under a large volume of water,
19 if they had been pulled out of the water, then the
20 radiation monitors would have gone off. That's at
21 1000R. For them to be -- and we're not saying they
22 have been transported. We're looking at the
23 possibilities of what could have happened. We're
24 still searching everything to say we haven't turned up
25 anything to say they have been shipped. But if they

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1 had come out, they would have had to have been in a
2 cask that would have shielded them in a manner that
3 the radiation monitors would not have picked them up.

4 Also, the cask would have had to meet the
5 criteria for shipment to some licensed facility.

6 UNIDENTIFIED SPEAKER: It doesn't sound
7 logical to me in this case.

8 UNIDENTIFIED SPEAKER: You people have
9 inherited a lot of deceit and arrogance in the years
10 that (Inaudible).

11 We appreciate it. This is what
12 (Inaudible) that you're not going to try to give us a
13 (Inaudible), put your head up in the air, we don't do
14 nothing wrong. The problem is (Inaudible) and I
15 appreciate it. Just keep us on top, keep it level.

16 UNIDENTIFIED SPEAKER: (Inaudible) keep
17 the decommissioning activities up to full speed while
18 you're doing this investigation?

19 UNIDENTIFIED SPEAKER: Absolutely.

20 UNIDENTIFIED SPEAKER: We have time for
21 about two more questions is all. Excuse me, excuse
22 me, we have time for two more questions. Thank you.

23 UNIDENTIFIED SPEAKER: Two questions and
24 one quickly, can the radiation monitors be
25 deactivated?

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1 UNIDENTIFIED SPEAKER: (Inaudible)

2 UNIDENTIFIED SPEAKER: Okay, thank you and
3 my second and last question is are you aware that in
4 1972 it happened that two bent control rods were
5 shipped to California. Is it possible you're
6 confusing them with this incident?

7 MR. FORD: I don't think we've found any
8 records that show that two bent control rods were
9 shipped to California in 1972. We do have some
10 records that show that three foot segmented rods for
11 a special test program had been shipped to California
12 and those are the only records that we've been able to
13 identify either through the government sources,
14 contacting the company in California or our own
15 records. We're still looking at all the possibilities
16 that -- we would have been happy to have found a
17 record that showed that they were shipped to
18 California because then we would --

19 UNIDENTIFIED SPEAKER: I wonder if you
20 could speculate as to why the U.S. Nuclear Regulatory
21 Commission released information in conjunction with
22 the closure (Inaudible) may have been shipped to a
23 facility in California which happens to be the
24 facility where two bent control rods were (Inaudible).

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1 UNIDENTIFIED SPEAKER: We knew that these
2 two bent control rods were still in the pool in 1980.
3 So we know they weren't shipped in 1972 anyway.

4 UNIDENTIFIED SPEAKER: Couldn't that have
5 been a false record?

6 UNIDENTIFIED SPEAKER: Yes, could be.

7 UNIDENTIFIED SPEAKER: I guess it could
8 have been.

9 UNIDENTIFIED SPEAKER: I think there's
10 another technicality here and the technicality is the
11 rods that were shipped in 1972, correct me if I'm
12 wrong, the shipments of spent fuel rods during that
13 period of time were three foot rods and not 12 foot
14 rods.

15 UNIDENTIFIED SPEAKER: On the NRC website
16 when, as Frank said, when we found out this
17 information, when we initiated this (Inaudible), we
18 called and told (Inaudible) what's going on and at the
19 time we were still investigating because we knew that
20 there had been some kind of shipments to California in
21 the past and we were just beginning to go out there
22 and find records. You were sending people to the
23 locations to look at the records themselves and so
24 that the information from the website was even earlier

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1 in our investigation of this and as I said we're
2 trying to run down every lead we can find.

3 UNIDENTIFIED SPEAKER: I appreciate the
4 comments and the questions, I really do. The thing is
5 we have to remember this is a historical event we have
6 uncovered and we're trying to go down very
7 methodically and systematically through this office
8 and we're providing you the best information we have.

9 UNIDENTIFIED SPEAKER: At some point, has
10 somebody behind closed doors said oh shit, what is the
11 worse case scenario?

12 (Laughter.)

13 UNIDENTIFIED SPEAKER: I would have to say
14 yes.

15 (Laughter.)

16 We are asking ourselves that question. We
17 still do not have anything that shows that these have
18 been shipped from the spent fuel pool. We still have
19 to go through (Inaudible) can we find what is the
20 (Inaudible)?

21 UNIDENTIFIED SPEAKER: But I mean are you
22 confident that (Inaudible) there are documents that
23 they were shipped?

24 UNIDENTIFIED SPEAKER: There's a
25 possibility that they could have (Inaudible). We just

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1 don't know. We have to go through (Inaudible) and
2 there's such a (Inaudible).

3 UNIDENTIFIED SPEAKER: That's my question,
4 what was the worse case scenario if somebody in
5 whatever department that might (Inaudible)?

6 UNIDENTIFIED SPEAKER: We've asked that
7 question. I don't have an answer to that. The main
8 thing is we're not only looking to see what is taking
9 place. Just because we're talking about (Inaudible),
10 what if scenarios and that's the reason we get into,
11 if they're shipped, what. That's what we're trying
12 (Inaudible).

13 UNIDENTIFIED SPEAKER: (Inaudible) that
14 they were shipped?

15 UNIDENTIFIED SPEAKER: Those are licensed
16 facilities (Inaudible).

17 UNIDENTIFIED SPEAKER: Is there any kind
18 of physical, anything happening, you know, physical
19 (Inaudible).

20 UNIDENTIFIED SPEAKER: Not at one time.
21 They have been notified and are aware of the
22 situation. Mr. Rothman talked to them personally and
23 so they are aware. We have made them aware of the
24 situation.

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1 UNIDENTIFIED SPEAKER: What was their
2 response?

3 UNIDENTIFIED SPEAKER: Their response was
4 they were appreciable of the fact that I called them
5 and I assured them we would keep them informed and
6 they wanted to be kept informed.

7 UNIDENTIFIED SPEAKER: Are they checking?

8 UNIDENTIFIED SPEAKER: (Inaudible).

9 UNIDENTIFIED SPEAKER: I have one other
10 question here. Bob?

11 UNIDENTIFIED SPEAKER: You've got two
12 needles in a haystack of paper or in a pool somewhere,
13 maybe. What if both searches prove negative? What
14 happens then?

15 UNIDENTIFIED SPEAKER: We don't know.
16 Right now we are just going through our searches. Do
17 the investigation the best we can.

18 UNIDENTIFIED SPEAKER: I don't think they
19 should be allowed to continue with the
20 decommissioning. I don't think they should be allowed
21 to sell the plant until their inventory has been taken
22 care of and I think that they should have an
23 independent study of the Millstone 2 and 3 on the
24 spent fuel. If they can make mistakes like that, it's
25 possible (Inaudible).

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1 UNIDENTIFIED SPEAKER: I just have one
2 question. I know that on the NRC website there is
3 information about this. Would there be anything like
4 on Millstone's website as well, if anybody wanted --
5 in the public to look up information on the progress
6 of the (Inaudible)? All right.

7 UNIDENTIFIED SPEAKER: I'm not sure who
8 can answer this, but Mitzi brought up a question and
9 Larry, you said something about it and it has to do
10 with safety to the public. And you said you've looked
11 at the absolute worse case scenario, correct?
12 Anything you can think of, within reason.

13 UNIDENTIFIED SPEAKER: We have asked
14 ourselves that question. We have not (Inaudible) at
15 any means.

16 UNIDENTIFIED SPEAKER: But using your
17 engineering knowledge and so on, what is the worse
18 case scenario that you've come up? I've tried to
19 visualize something in my mind and even a worse case
20 scenario still says either they're buried somewhere or
21 they're in a pool. I mean that's about it.

22 UNIDENTIFIED SPEAKER: That's exactly it.

23 UNIDENTIFIED SPEAKER: I mean what is the
24 worse case scenario, that's got to be it, isn't it?

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1 I can't think of any other G.E. facility unaccounted
2 for.

3 UNIDENTIFIED SPEAKER: As part of that
4 worse case scenario wouldn't it be that somebody
5 wanted to get rid of these two pain in the rod bent
6 pins and secretly got rid of them?

7 UNIDENTIFIED SPEAKER: I've been around
8 Millstone for 30 years and I know the way Millstone
9 operates. Been at Millstone 1, no, that could not
10 have happened. I know the controls that were there in
11 1972 when I started and believe me, they never turn
12 off the radiation monitors. There's no way you could
13 have gotten those things out of there.

14 UNIDENTIFIED SPEAKER: So you think
15 they're still in the pool?

16 UNIDENTIFIED SPEAKER: I'm not saying
17 that. Either they're in the pool or they were
18 shipped, but not recognizing it was spent fuel. It
19 could have been mislabeled as control blades,
20 something like that, but whatever scenario you come up
21 with, there is no significant exposure to any one. I
22 don't think anyone --

23 UNIDENTIFIED SPEAKER: What about the
24 people who buried (Inaudible)?

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1 UNIDENTIFIED SPEAKER: In the 1980s when
2 Sturgeon was the public relations man, Mr. Sturgeon.
3 I used to call him Mr. Fish, but anyway, he on the
4 radio program we were on together and that was the
5 time when a shipment of low level radioactive waste
6 was being sent on a flat bed truck in the 1980s. I
7 don't have the exact date although I have the records
8 at home. So these cardboard boxes one on top of the
9 others, seven, I'm sorry -- was it five or seven?

10 UNIDENTIFIED SPEAKER: I think it was
11 seven.

12 UNIDENTIFIED SPEAKER: Seven. On a
13 flatbed truck and the top one was a control rod blade,
14 not carefully shielded, but in a plastic bag, wet,
15 soaking wet, inside a cardboard box and that was
16 shipped from Millstone and that was proved because the
17 radiation detection person from the State, what State
18 was it?

19 UNIDENTIFIED SPEAKER: South Carolina?

20 UNIDENTIFIED SPEAKER: It was North
21 Carolina. I think it was before it got to Barnwell,
22 but I have it all on record. This man came
23 (Inaudible) and his detector went off the chart. He
24 was furious because he was contaminated. So that's
25 the kind of carelessness that took place as early as

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1 the 1980s at least and (Inaudible), so I don't trust
2 that kind of confirmation. I'm not so sure that you
3 -- that either of you are saying what really can
4 happen when you say it had to be in a shielded
5 container, not necessarily, not in my experience.

6 UNIDENTIFIED SPEAKER: Well, I think for
7 right now we have in discovery that Northeast
8 Utilities is doing what they need to do to try to
9 discover at least what happened to them, in the spent
10 fuel pool or being shipped or whatever happened.

11 Now might be the time to at least give
12 them time to go over their records, take a look at
13 that pool, find out if they are there and then keep on
14 top of it and have them come back to us and report
15 back again. I certainly appreciate the time, Frank
16 and Brian. Thank you very much. And Mary Temple.
17 Thank you.

18 I think for the time right now MIDAC will
19 be going into its portion of the meeting. The public
20 is certainly welcome to stay.

21 I think we'll go right to the minutes of
22 the December 7th meeting. I don't know if everybody
23 has had an opportunity to at least look those over.

24 Is there a motion to accept, approval?

25 UNIDENTIFIED SPEAKER: Second.

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1 UNIDENTIFIED SPEAKER: All in favor?

2 (Ayes.)

3 UNIDENTIFIED SPEAKER: Opposed? Any
4 abstentions?

5 UNIDENTIFIED SPEAKER: I abstain.

6 UNIDENTIFIED SPEAKER: One abstention.

7 UNIDENTIFIED SPEAKER: As far as old
8 business goes, I think we pretty much covered what we
9 needed to do at the last meeting as far as going over
10 that (Inaudible).

11 Jim, you weren't here. I needed just a
12 little (Inaudible) in review. (Inaudible) something
13 that we should have covered and we didn't get -- if
14 anybody had any suggestions about (Inaudible).

15 Now I did hear from the NRC and they're
16 going to be coming down and making a presentation to
17 us. They do ask, however, that we try to be as
18 specific as we can as far as what we'd like
19 (Inaudible).

20 I know a couple of times we've mentioned
21 how (Inaudible) to decommissioning. NRC doesn't think
22 that's (Inaudible).

23 UNIDENTIFIED SPEAKER: I sent a formal
24 letter, I can send you a copy and you can distribute
25 it, but it was a comment requesting formal comments on

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1 the Connecticut Yankee license termination plan.
2 There was a meeting on October 15 on a license
3 termination plan that I attended at the (Inaudible)
4 High School and I asked questions and really didn't
5 get any answers. It was obvious the NRC had an
6 entourage of people there. I've stated that I've
7 think in the license termination plan for
8 decommissioning plan would discuss what license is
9 being terminated. Well, when I asked what license is
10 being terminated under the license termination plan,
11 I couldn't get a direct answer, okay? There's a dozen
12 different licenses that these facilities have. So
13 that was one of the questions I asked in a letter and
14 I also asked in the license termination plan, what is
15 the plan for terminating a license, what is the time
16 frame? They weren't able to give me those answers, so
17 I wrote a letter, I think it was around December 20th,
18 formal comments -- request for formal comments that I
19 sent to the NRC. I'll send you a copy of it and you
20 can distribute it. I think that would be the
21 beginning of good dialogue with the NRC as far as what
22 regulations do apply when an inspector goes in to
23 inspect for compliance with the license? The
24 inspectors have no idea what are the regulations that
25 are applicable. The public doesn't know. The NRC

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1 doesn't know. The inspectors don't know and I think
2 that the general public has a right to know what
3 regulations are applicable to decommissioning plants.

4 UNIDENTIFIED SPEAKER: You said the NRC
5 couldn't answer what were applicable?

6 UNIDENTIFIED SPEAKER: No. You'll see my
7 letter. I'll send it to you tomorrow and I've gotten
8 some e-mail back that said we are working on the
9 response. I had about a dozen questions as to the
10 applicability of regulations, including viabilities
11 required, what security is required, what about the
12 special nuclear material license which is another
13 license that they have. Is that going to be
14 terminated? Is the operating license going to be
15 terminated or are they going to go to high level waste
16 license -- all those questions that I brought up
17 before, but I decided to formalize those questions and
18 if you think it's appropriate, maybe that would be
19 leading some of the discussion when we do get together
20 with the NRC.

21 UNIDENTIFIED SPEAKER: Okay.

22 UNIDENTIFIED SPEAKER: Your questions on
23 decommissioning cover the storage elements like dry
24 versus wet? How much storage can be kept on one site?
25 Can people shift? In other words, if (Inaudible)

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1 decides they want to come up with a commercial
2 contract with Northeast and ship their materials here,
3 that whole venue of questions regarding storage, I'd
4 like to hear NRC talk about that.

5 UNIDENTIFIED SPEAKER: Those are not my
6 questions, but those questions have obviously been
7 asked at the public meetings at the (Inaudible) High
8 School and that's why the planning and zoning wouldn't
9 approve the zoning variance for Connecticut Yankee.

10 UNIDENTIFIED SPEAKER: So decommissioning
11 is one aspect of the questions or one bundle of
12 questions. I think another bundle of questions might
13 be related to storage. Can you bring it on? Can you
14 take it off? Is it wet? Is it dry? What's the
15 amount, what's not the amount? Is there going to be
16 off-site storage some day in the future? Should NRC
17 be gearing up for that? And anything else that
18 relates to the storage issues.

19 UNIDENTIFIED SPEAKER: Well, there's a
20 -- again, I said it to Pearl this morning or
21 yesterday, it came from Washington. It was a note
22 from Dave Lockbaum of Union of Concerned Scientists
23 and I guess you can distribute that. It's public. I
24 think I sent to you and anyone else's e-mail I had.
25 But what it is is a paper and I was talking to one of

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1 the Commission's offices today. It's a paper put
2 together by the NRC staff on the risk of high level
3 waste storage. Dave Lockbaum has talked to some of
4 the staff people at the NRC and it started out that
5 the document which the Commission staff told me was
6 almost 3 inches thick discusses the risk of long term
7 high level waste storage and the document essentially
8 states that the risk to the public is much greater
9 than anticipated before in any public documents.

10 The Commission has normally ten days to
11 vote on the release of that document, but it was sent
12 to him on the 20th of December. I expect it to be
13 released either tomorrow or Monday, based on
14 conversations I had. According to Dave Lockbaum, it's
15 going to have a significant impact or potentially a
16 significant impact on decommissioning plants from the
17 perspective of security. They discuss, obviously,
18 terrorist potential and also liability insurance.
19 They've provided exemptions to regulations for various
20 decommissioning plants like Maine Yankee and Yankee
21 Row (Phonetic) for liability insurance and variances
22 or exemptions from security. Now the NRC staff is
23 saying maybe those weren't appropriate exemptions, so
24 that will be coming out within the next week. Will

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1 generate a lot of obviously media attention,
2 opposition from utilities and so on and so forth.

3 UNIDENTIFIED SPEAKER: Let me just
4 interrupt you for just a minute. I want to get a
5 question in. Would that be along the same lines as
6 the insurance exemption --

7 UNIDENTIFIED SPEAKER: Exactly.

8 UNIDENTIFIED SPEAKER: Is that right?

9 UNIDENTIFIED SPEAKER: It's the same
10 thing.

11 UNIDENTIFIED SPEAKER: Okay, so this could
12 be --

13 UNIDENTIFIED SPEAKER: I have no idea to
14 predict what the impact could be, but they're saying,
15 from what I understand the risk is -- well, the
16 consequences of any accident are pre (Inaudible).

17 UNIDENTIFIED SPEAKER: And our homeowner's
18 insurance exempt that, if you look at your policy.

19 UNIDENTIFIED SPEAKER: Oh yes.

20 UNIDENTIFIED SPEAKER: Nuclear war or
21 nuclear accident are not covered.

22 UNIDENTIFIED SPEAKER: We've been over
23 that.

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1 UNIDENTIFIED SPEAKER: So this is
2 something that NRC specifically requires regulation
3 on?

4 UNIDENTIFIED SPEAKER: What it is is just
5 an internal NRC report and information is going to be
6 released by the Commissioners. What is done beyond
7 that is up to (Inaudible) regulations, whether they're
8 going to impose backfit regulations for it, whether
9 they're going to remove sanctions, you're talking a
10 new legal area where, whether they can take back the
11 exemptions they granted Maine Yankee, Yankee Row
12 (Phonetic), Connecticut Yankee for security and
13 liability. A total unknown. But it's going to be a
14 long time before that gets ironed out and there's
15 going to be a lot of political lobbying to refute the
16 report, the industry is going to be out there saying
17 this is inconceivable beyond the realm, beyond
18 realistic probabilities and they go back and forth,
19 but it's going to generate a lot of controversy.

20 UNIDENTIFIED SPEAKER: Can I just ask if
21 anybody knows what the legal parameters are, for
22 instance if a community says we will no longer permit
23 storage of spent fuel, is that an option?

24 UNIDENTIFIED SPEAKER: It's a lawsuit.

25 UNIDENTIFIED SPEAKER: Is it (Inaudible)?

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1 UNIDENTIFIED SPEAKER: I don't think it's
2 been determined yet.

3 UNIDENTIFIED SPEAKER: Nobody wants it in
4 their backyard.

5 UNIDENTIFIED SPEAKER: (Inaudible)

6 UNIDENTIFIED SPEAKER: Don't you think the
7 probable answer would be that (Inaudible) under
8 federal regulations?

9 UNIDENTIFIED SPEAKER: Oh yeah, NRC
10 regulations (Inaudible) everything else, but they will
11 argue it's there already, we're not changing anything.

12 UNIDENTIFIED SPEAKER: And where are you
13 going to put it?

14 UNIDENTIFIED SPEAKER: Yeah, that's the
15 real problem, that's right.

16 UNIDENTIFIED SPEAKER: So if you've got
17 it, you're stuck with it.

18 UNIDENTIFIED SPEAKER: Right. It's there.

19 UNIDENTIFIED SPEAKER: Technically, on
20 February 1st, 1999, didn't by federal law -- wasn't
21 DOE suppose to take physical possession?

22 UNIDENTIFIED SPEAKER: I think January
23 1998, wasn't it?

24 UNIDENTIFIED SPEAKER: It was like
25 February 1st.

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1 UNIDENTIFIED SPEAKER: And that's why the
2 utilities are suing DOE. Connecticut Yankee is suing
3 DOE and saying it's your responsibility.

4 UNIDENTIFIED SPEAKER: (Inaudible)

5 UNIDENTIFIED SPEAKER: I have another
6 question to ask, where do you plan to hold this
7 meeting?

8 UNIDENTIFIED SPEAKER: For the NRC?

9 UNIDENTIFIED SPEAKER: Yes.

10 UNIDENTIFIED SPEAKER: Well, we'll
11 probably --

12 UNIDENTIFIED SPEAKER: If you have
13 something like this, it's good for us, but it's hard
14 for the audience.

15 UNIDENTIFIED SPEAKER: Yes.

16 UNIDENTIFIED SPEAKER: (Inaudible)

17 UNIDENTIFIED SPEAKER: I don't know what
18 would be more appropriate.

19 UNIDENTIFIED SPEAKER: Upstairs is good.

20 UNIDENTIFIED SPEAKER: If it's available.

21 UNIDENTIFIED SPEAKER: It was unavailable.

22 UNIDENTIFIED SPEAKER: Not tonight, but
23 for the future, it's available.

24 UNIDENTIFIED SPEAKER: But you could not
25 hold an NRC meeting like that in this room.

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1 UNIDENTIFIED SPEAKER: No. If worse comes
2 to worse (Inaudible) the high school.

3 UNIDENTIFIED SPEAKER: You could get the
4 (Inaudible).

5 UNIDENTIFIED SPEAKER: You can't have the
6 meeting there.

7 UNIDENTIFIED SPEAKER: We've had many of
8 them there.

9 UNIDENTIFIED SPEAKER: Not for the public.

10 UNIDENTIFIED SPEAKER: Oh yes, you did.

11 UNIDENTIFIED SPEAKER: Yes, you have, but
12 I would advise against that.

13 UNIDENTIFIED SPEAKER: Why?

14 UNIDENTIFIED SPEAKER: Some people might
15 be uncomfortable going there.

16 UNIDENTIFIED SPEAKER: Okay, fine.

17 UNIDENTIFIED SPEAKER: (Inaudible) this
18 goes back to May a year ago. A year ago we were
19 holding (Inaudible) at Maine Yankee tour at the time
20 that you (Inaudible) and for various and sundry
21 reasons that didn't happen and even though it looks
22 like really the decommissioning for this is going to
23 be (Inaudible) the decommissioning of two (Inaudible)
24 whatever the next one down the line is (Inaudible).

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1 UNIDENTIFIED SPEAKER: (Inaudible) boiling
2 water. I really think we ought to --

3 UNIDENTIFIED SPEAKER: (Inaudible)

4 UNIDENTIFIED SPEAKER: Okay. I think we
5 ought to take the opportunity to go and visit because
6 if we wait until some time later then it's a done deal
7 (Inaudible). You might want to (Inaudible) while
8 they're still going through this process.

9 UNIDENTIFIED SPEAKER: Okay.

10 UNIDENTIFIED SPEAKER: Just as a thought.
11 (Inaudible)

12 UNIDENTIFIED SPEAKER: We'll keep that in
13 mind then.

14 UNIDENTIFIED SPEAKER: As a potential --
15 I don't know if anybody else is interested.

16 UNIDENTIFIED SPEAKER: Yeah, yeah, I think
17 it would be worthwhile.

18 UNIDENTIFIED SPEAKER: I know --

19 UNIDENTIFIED SPEAKER: I wouldn't have to
20 be a Thursday night. It could be whatever
21 (Inaudible).

22 UNIDENTIFIED SPEAKER: (Inaudible)

23 UNIDENTIFIED SPEAKER: I think it was the
24 4th of May, just turned out to be a -- (Inaudible) six
25 people were going to go and then two (Inaudible).

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1 UNIDENTIFIED SPEAKER: (Inaudible)
2 schedule is and see if that's a possibility. As far
3 as the NRC, I'd like to get something down pat for
4 that. So far we've got as far as (Inaudible)
5 inspection, liability, security, operating license and
6 fuel. Now as far as the storage of that fuel, are
7 there regulations specific to storage?

8 UNIDENTIFIED SPEAKER: Again, I think it's
9 the intent of most wanting to retain their
10 (Inaudible), the operating license, because it would
11 be just totally inconsistent for the other two units.
12 The way they're controlling it with the staffing
13 they've got, my own personal assessment, it's okay.
14 What bothers me is when you have a single plant and
15 then they just reduce staff, ten people total working
16 three shifts that's when I start worrying. I'm not
17 concerned about how long, I'm concerned about the
18 integrity pool. I'm not concerned about (Inaudible)
19 water due to loss of power because you've got 16 days
20 before the temperature even rises to 150 degrees. I
21 don't have the concerns (Inaudible) I would have for
22 Connecticut Yankee, Yankee Row or Maine Yankee where
23 that's all it is is a high level waste facility. This
24 is going to be more than that. So there's going to be
25 plenty of staffing around. There's not going to be

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1 security barrier around. I think for the main part of
2 the site. It's going to be very similar to what
3 they've done out at Dresden, out at San Onofre, where
4 they've got an I/O plan. It's just sitting there.
5 It's going to be very similar. They haven't had any
6 major problems down there. I have a concern when they
7 decommission a stand alone plan and just have a high
8 level waste facility which is what they were going to
9 essentially do here and I'm a little more comfortable
10 in the way they've done that. We need to hear from
11 the NRC as far as what are the regulations. They
12 don't know.

13 UNIDENTIFIED SPEAKER: Okay, well, they
14 can tell us.

15 UNIDENTIFIED SPEAKER: They all say
16 (Inaudible). We'll get their best answers.

17 UNIDENTIFIED SPEAKER: And then we had
18 also discussed having Dominion make a presentation to
19 this group as well, probably along the lines of March
20 of April, just after (Inaudible) ownership.

21 UNIDENTIFIED SPEAKER: I'd prefer to have
22 a couple of months after they settle in here is at the
23 very minimal, no Dominion people around here right
24 now. I don't think they have fully assessed the long
25 term situation. I'd rather - I'm speaking personally,

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1 I think they're more qualified to make a presentation
2 say mid-summer after they've been in place for a
3 while.

4 UNIDENTIFIED SPEAKER: Are you thinking
5 how they would be handling the transition in the
6 decommissioning process or were you thinking it would
7 be beneficial in our meeting with them?

8 UNIDENTIFIED SPEAKER: If we get Dominion
9 in front of us before it actually -- before the
10 transition, then if there's something we have a
11 question about, we can address it to them and if
12 there's something they like of what they hear, then
13 they can end up doing something about it. After it's
14 already done if we had concerns along that line and
15 it's a done deal, they might come out and say gee, we
16 wish we had known, maybe we would have looked towards
17 that area. That may be how we look at that too,
18 before they actually take the reins (Inaudible).

19 UNIDENTIFIED SPEAKER: When we had the
20 NEAC meeting we asked them to do a presentation on
21 storage also.

22 UNIDENTIFIED SPEAKER: And they said they
23 would be happy to do that, yes.

24 UNIDENTIFIED SPEAKER: I think the main
25 thing I'd be interested in hearing and I sort of have

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1 chatted informally with you and I think a couple other
2 members is, if in fact when they take over the
3 decommissioning of 1 is certainly going to go on hold
4 until they decommission one of the other units because
5 there's rumor to the effect that rather than spend the
6 time and effort there to get someone to keep an eye on
7 spent fuel and then decommission two plants at once or
8 --

9 UNIDENTIFIED SPEAKER: Maybe three at
10 once.

11 UNIDENTIFIED SPEAKER: Maybe three at
12 once, but -- and maybe they haven't made up their
13 mind. I think the (Inaudible) is put on April 1st,
14 that's what I've heard. And I'm not sure any work has
15 been put forward. If no work has been put forward,
16 it's not that I don't like to meet with people, but
17 I've got enough on my plate as I'm sure other people
18 do too, but maybe not disband the group, but maybe
19 meet once every six months (Inaudible).

20 UNIDENTIFIED SPEAKER: (Inaudible) that we
21 would meet on either a semi-annual or annual or
22 quarterly basis after that point because we can't --

23 UNIDENTIFIED SPEAKER: Maybe they wouldn't
24 be at a point then, but as I understand it right now,
25 energy goes away on 1 April.

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1 UNIDENTIFIED SPEAKER: Right.

2 UNIDENTIFIED SPEAKER: And then what
3 happens on the 2nd of April, I'd be curious to know
4 and maybe they don't really know yet.

5 UNIDENTIFIED SPEAKER: I don't think
6 you're going to see much going on.

7 UNIDENTIFIED SPEAKER: Just ask them
8 directly.

9 UNIDENTIFIED SPEAKER: The only thing that
10 could change is the storage. Is it dry? Is it wet?
11 Where is it? How much is it? That's the only thing
12 that could change after it gets decommissioned.

13 UNIDENTIFIED SPEAKER: I don't think --

14 UNIDENTIFIED SPEAKER: They might not
15 continue the decommissioning program.

16 UNIDENTIFIED SPEAKER: I would like to ask
17 them that directly, what are your plans for the
18 continuing of the decommissioning.

19 UNIDENTIFIED SPEAKER: Yes. I think would
20 get them (Inaudible) get them in under March
21 (Inaudible).

22 UNIDENTIFIED SPEAKER: Yes, what are your
23 plans for decommissioning (Inaudible).

24 UNIDENTIFIED SPEAKER: (Inaudible)

25 UNIDENTIFIED SPEAKER: All right.

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1 UNIDENTIFIED SPEAKER: (Inaudible)

2 UNIDENTIFIED SPEAKER: Yeah, I know. I'm
3 not ignoring you, Joe, but I'm going to get down
4 everything --

5 UNIDENTIFIED SPEAKER: I just thought --
6 I've trained right now. I've been present at the DPC
7 meetings when Mr. -- I don't know what his last name
8 was, the new CEO for the Command came forward and he's
9 already made the decision they're not going to try to
10 put it in dry cask storage as (Inaudible) has taken
11 (Inaudible) and also the (Inaudible). And everything
12 was all set and then the CY has already been getting
13 contracts as far as the dry cask storage and now the
14 (Inaudible) are working Unit 1, right? Or they can
15 take the fuel out of Unit 2 and put it there so they
16 keep pumping these plants and running them longer,
17 they get the (Inaudible) of (Inaudible).

18 Am I right, Paul, what I'm saying so far?

19 UNIDENTIFIED SPEAKER: I'm not sure what
20 you said, but --

21 (Laughter.)

22 UNIDENTIFIED SPEAKER: I hope I spoke
23 plain and audibly. The other thing is I met with
24 these gentlemen. Whenever I come around and I stand
25 in the, out in the foyer with them, this is a private

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1 conversation. So already by making meetings with --
2 the employees opened up their own new concerns as far
3 as the ones that (Inaudible) Northeast Utilities,
4 they're concerned about their future and their
5 pensions and all, see. So I went over and I said,
6 this is a private conversation. I'll be right back
7 with the camera. They're not too happy with yours
8 truly.

9 The other thing is he says I'm sorry that
10 you think we're not telling the truth and that we're
11 liars. I spent all those hours up there behind the
12 camera and when I listened to them, I'm telling it the
13 way I see it. Already now they've got nine deaths for
14 the record (Inaudible). They cut back 25 percent of
15 their work force as soon as they (Inaudible). And the
16 NRC says oh, well those fellows died because the
17 (Inaudible) had all been ruptured and that's an
18 industrial accident, so that doesn't count at a
19 nuclear plant, even though (Inaudible).

20 So we're back to the same old (Inaudible),
21 everybody keeps looking to the NRC to help them out.
22 The NRC is not here to help out you and I. The NRC is
23 out there to help out the industry.

24 Thank you.

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1 UNIDENTIFIED SPEAKER: Okay, so we'll get
2 Dominion here in March then and see what they have to
3 say about their (Inaudible) plans for decommissioning
4 (Inaudible).

5 UNIDENTIFIED SPEAKER: And storage.

6 UNIDENTIFIED SPEAKER: And storage, yes.

7 UNIDENTIFIED SPEAKER: That's my only
8 message.

9 UNIDENTIFIED SPEAKER: Whether it's dry or
10 wet. Long term plans, short term plans. Can you
11 bring it in? Can you bring it out? Safety, security.
12 Can it be used as a commercial site? Can they lease
13 space to other facilities and have it stored there?
14 Can they store at high level or low level. Everything
15 related to storage.

16 UNIDENTIFIED SPEAKER: Or to paraphrase,
17 it's the storage.

18 (Laughter.)

19 UNIDENTIFIED SPEAKER: Once it's
20 decommissioned, it's only the storage.

21 UNIDENTIFIED SPEAKER: (Inaudible)

22 UNIDENTIFIED SPEAKER: Do we have any
23 upcoming joint things?

24 UNIDENTIFIED SPEAKER: (Inaudible) We
25 have two meetings in January, but they're going to be

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1 (Inaudible). And then they won't have a regular
2 meeting until the end of February. So they're meeting
3 every other month, so right now only one other and I'm
4 not so sure (Inaudible). We're starting to get the
5 politicians involved and we had an offer from Mr.
6 (Inaudible) that if we were to extend an invitation
7 (Inaudible), but I don't know what Mr. (Inaudible)
8 says now, but we'd love to see. That's something else
9 we can think about when we --

10 UNIDENTIFIED SPEAKER: That's something I
11 wanted to bring up. I mean if he could get moving on
12 this, we could get (Inaudible).

13 UNIDENTIFIED SPEAKER: He simply doesn't
14 have to worry about re-election, he can have one
15 glorious term and do something right.

16 (Laughter.)

17 UNIDENTIFIED SPEAKER: (Inaudible) when
18 the NRC is here.

19 UNIDENTIFIED SPEAKER: (Inaudible)

20 UNIDENTIFIED SPEAKER: He's in Washington
21 during the week so it might be difficult. If we could
22 be a little flexible in our schedule --

23 UNIDENTIFIED SPEAKER: (Inaudible)

24 UNIDENTIFIED SPEAKER: (Inaudible) High
25 sounds like a good location.

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1 UNIDENTIFIED SPEAKER: At Millstone we
2 asked a lot of questions about security and sabotage
3 and Brian was nice enough to give me an 89 page report
4 on the physical plant protection that covers
5 everything from picture (Inaudible) to marine vessels
6 to just flipping through it, number of bullets per gun
7 per hour you can shoot, how to secure and restrain the
8 enemy and all that good stuff, so I'll flip through
9 it. Nothing to read to the kids.

10 UNIDENTIFIED SPEAKER: This is just part
11 73 out of the Code of Federal Regulations, but the
12 question you need to ask is is that totally applicable
13 to the decommissioned facility.

14 UNIDENTIFIED SPEAKER: Okay.

15 UNIDENTIFIED SPEAKER: That's the
16 question. We're all aware of (Inaudible), but it's
17 applicability as I mentioned before, Maine Yankee has
18 a variance or an exemption from Part 73.

19 UNIDENTIFIED SPEAKER: Yes.

20 UNIDENTIFIED SPEAKER: That's the real
21 question. Don't bother yourself reading --

22 UNIDENTIFIED SPEAKER: Well, with
23 (Inaudible) we're going to be a little bit different
24 because obviously (Inaudible), so is that going to
25 affect?

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1 UNIDENTIFIED SPEAKER: That's the question
2 you ask the NRC, what parts of that are applicable to
3 the storage of spent fuel?

4 UNIDENTIFIED SPEAKER: (Inaudible)
5 applicable to something else?

6 UNIDENTIFIED SPEAKER: The barriers start
7 with two, you'll be passed by the time you get to the
8 barriers.

9 UNIDENTIFIED SPEAKER: All right.

10 UNIDENTIFIED SPEAKER: Anyway, so I'll
11 finish with it and I promise in the next month I won't
12 read it to the kids at night.

13 UNIDENTIFIED SPEAKER: Better than a
14 sleeping pill.

15 UNIDENTIFIED SPEAKER: All right, so if
16 there's no further business left, I motion to adjourn.

17 UNIDENTIFIED SPEAKER: So moved.

18 UNIDENTIFIED SPEAKER: Second? Okay, all
19 in favor?

20 (Whereupon, the meeting was concluded.)
21
22
23
24

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