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NUCLEAR REGULATORY COMMISSION

Title:

Dominion Nuclear North Anna, LLC

Docket Number: 52-008-ESP; ASLBP No. 04-822-02-ESP

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1 UNITED STATES OF AMERICA 2 NUCLEAR REGULATORY COMMISSION 3 + + + + + 4 ATOMIC SAFETY AND LICENSING BOARD PANEL 5 6 7 IN THE MATTER OF: 8 DOMINION NUCLEAR NORTH Docket No. 52-008-ESP 9 ANNA, LLC ASLBP No. 04-822-02-ESP 10 11 Nuclear Regulatory Commission 12 Hearing Room T-3 B45 13 11545 Rockville Pike 14 Rockville, Maryland 15 16 Thursday, January 25, 2007 17 18 The above-entitled matter came on for 19 pre-hearing conference, pursuant to notice, at 20 2:00 p.m., Administrative Judge Alex Karlin, Chair, 21 presiding. 22 **BEFORE:** 23 ALEX S. KARLIN, Chair, Administrative Judge 24 RICHARD F. COLE, Administrative Judge 25 THOMAS S. ELLEMAN, Administrative Judge **NEAL R. GROSS** COURT REPORTERS AND TRANSCRIBERS 1323 RHODE ISLAND AVE., N.W.

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}	

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Do either of you guys want to say anything at this

1	point?
2	JUDGE COLE: Not at this time.
3	JUDGE KARLIN: Judge Elleman?
4	JUDGE ELLEMAN: Nothing.
5	JUDGE KARLIN: Okay, fine. Perhaps we
6	could then ask the parties to identify themselves
7	before we start. Mr. Weisman, perhaps you could tell
8	us
9	MR. WEISMAN: Good morning.
10	JUDGE KARLIN: Good morning. Good
11	afternoon.
12	MR. WEISMAN: Good afternoon, Your Honor,
13	yes. Bob Weisman for the NRC Staff. With me at
14	counsel table is Pat Moulding. Several members of the
15	NRC staff are in attendance in the audience.
16	JUDGE KARLIN: Great. Thank you for
17	coming.
18	Mr. Lewis.
19	MR. LEWIS: Good afternoon, Judge Karlin,
20	Judge Cole, Judge Elleman. My name is David Lewis
21	from the law firm of Pillsbury Winthrop Shaw Pittman,
22	representing Dominion Nuclear North Anna, and with me
23	is Mr. Robert Haemer, also from my firm.
24	JUDGE KARLIN: Welcome. Welcome, Mr.
25	Haemer, Mr. Lewis.

Okay. Background -- oh, I might also mention -- I'm sorry I didn't do this before -- our law clerk -- Meg Parrish is our law clerk, and she is a lawyer who assists the Board on these matters. She has been helping us for many months on this.

Background -- why are we here today? As you'll remember, on December 14th we met here in this hearing room to talk about how we should proceed with the mandatory hearing, and what was the most efficient way to handle the responsibilities this Board has, and how the staff and the applicant could provide the relevant information.

We got a lot of good input then, and we issued the second revised scheduling order in January -- January 4th of this year -- laying out a plan that we think is consistent with much of what was said, and hopefully will work if we all roll up our sleeves and work on it. And this Board hopes that we can achieve the timeframes that the Commission experts of mandatory hearing ESP boards.

Pursuant to that order, we issued on the 18th of January a list of primarily safety-related questions. They're not exclusively safety-related, but primarily following what was in the SER and the SAR, and so we issued that wave. And we hope if we

can get full and fair answers to that that there will be -- that will be a single wave related to safety questions, and we won't have to ask too many followup questions, if any at all.

The answers to those questions, as everyone probably knows, are due on February 8th, and the purpose of this meeting, the sole purpose, really, of this meeting is to allow the applicant and the staff to seek clarification from us about any of the questions that we ask.

This was a suggestion by the staff, by Mr. Moulding, when we met in December. And it seemed like a good one, and hopefully we'll try it out and see if it works. I don't think the other two ESP boards did anything quite like this, but it seems like it might work, and maybe you can help us and you answer the questions more directly and more clearly.

This is not the time for oral argument or objections and motions and that sort of thing, but mostly and exclusively, really, for clarification of the questions we ask. We think, of course, those questions are very clear and there should be no -- this should be a very short session, but we may find out otherwise. I'm not sure if you have many questions.

1 But before I proceed, are there any other 2 items on the agenda that anyone thinks -- either party thinks they need to raise at this time? 3 MR. WEISMAN: No, Your Honor. 4 5 JUDGE KARLIN: Okay. 6 MR. LEWIS: No. 7 JUDGE KARLIN: Okay, great. Okay. 8 we'd like to do is proceed as follows. On the 18th we 9 issued the order, which had about three pages of cover 10 instructions, I guess, and then it had 116 questions 11 related to safety, primarily safety. 12 What we thought we'd do is let the 13 applicant go first, cover the questions in groups --14 you know, groups of five, groups of 10 -- we'll see. 15 Do you have any questions on the first 10 questions? 16 And then, hear what you have to say, and try to 17 respond right then and there, to give you as much 18 clarification as we can, if there are questions about 19 our questions. 20 You've got to listen carefully and take 21 notes, because we're not planning to issue an order 22 pursuant to this meeting and clarifying anything. So 23 there will be a transcript. Of course, you can resort to that. We've got a three-day turnaround ordered on 24

the transcript. If anybody wants to get it faster

1 than that, I guess they'll have to pay, whoever it is, 2 to get it faster than that. But we're shooting for -we're just asking for a three-day turnaround on the 3 transcript. 4 5 It may be that as you raise questions we 6 come up to something that requires us to have a 7 consultation, the Judges to talk about it. And with Judge Elleman being down in North Carolina, what we'll 8 9 have to do is sort of collect any type of questions 10 like that, save them until the end, probably adjourn for a little while, go and have a consultation with 11 12 Judge Elleman separately, and then reconvene and try 13 to give whatever answers or instructions we can at 14 that point -- clarification. And as I said, we hope 15 that this procedure helps, and that we can keep safety 16 questions to one wave. 17 With that, anything else absent anything else from Judge Elleman or Judge Cole? 18 19 JUDGE COLE: I was just tempted to say 20 this is liable to be your penultimate opportunity to 21 ask the Board questions, because it rarely happens. 22 JUDGE KARLIN: Yes, we're not used to 23 this. We're not sure how comfortable we are in this --24

JUDGE COLE: The EIS questions, there will

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1	be another opportunity.
2	JUDGE KARLIN: Mr. Moulding, you know,
3	this is an experiment here, so we're not sure how
4	comfortable we are being put on the spot. But we're
5	willing to proceed and give it a try.
6	So with that first, I guess let's ask,
7	any questions about the cover order of the 18th and
8	the instructions in there? Mr. Lewis?
9	MR. LEWIS: No, Judge Karlin.
10	JUDGE KARLIN: No?
11	MR. WEISMAN: I have no questions, Your
12	Honor.
13	JUDGE KARLIN: Okay, great. Great. Well,
14	let's go to the questions themselves. We tried to
15	organize them in some, you know, sequence that
16	followed the SER primarily. And hopefully we've
17	eliminated most of the overlapping questions that some
18	of us had, but let me ask Mr. Lewis first 10
19	questions, do you have any questions about
20	clarification of those?
21	MR. LEWIS: Judge Karlin, I only have one
22	question, and it relates to item 115, so
23	JUDGE KARLIN: Oh, okay. Well, we can
24	jump right ahead there. That's good to know. Okay.
25	That helps us.

Mr. Weisman?

MR. WEISMAN: We don't have any on 1 through 10. Our first question has to do with items 17, 20, and 21.

JUDGE KARLIN: Okay. Well, then, why don't we go to those. Since you have the questions, why don't you please tell us -- 17 -- now, in -- because Judge Elleman is on the phone here, everyone please talk into the mikes, because I think that's where his pickup will -- his pickup. And whenever we have a question, you have a question about a question, identify the number, so that in the transcript and for our own notetaking we can make sure what we're -- we're all on the same page. So it's number 17?

MR. WEISMAN: Right. Board questions 17, 20, and 21. And all three of these questions relate to dispersion characteristics. In all three questions, the Board is requesting an explanation of why the staff didn't set forth some kind of error limits with respect to the dispersion characteristics chosen.

As we read it, question 17 adds the thought of percentile values or probability that the value chosen would be exceeded. But we don't see any other differences, and our question is: did the Board

-	Intend any other differences in the other two
2	questions?
3	JUDGE KARLIN: Okay. I think I think
4	we did. I would probably ask Judge Elleman to focus
5	on this, if you could, their question 17, 20, and 21.
6	And you're trying to ascertain what the differences
7	are in those questions?
8	MR. WEISMAN: Yes, Your Honor. Yes.
9	JUDGE KARLIN: Judge Elleman?
10	JUDGE ELLEMAN: All right. First of all,
11	I would say you correctly assessed what we were
12	looking for. We were wanting to get some way of
13	reflecting the fact that there could be values that
14	were higher or produced a more severe condition than
15	were stated, and we're asking you to respond to why
16	you couldn't properly represent that.
17	Now, as to the differences, let's take a
18	look here. The first one has to do with predicting
19	chi over Q values for different time intervals.
20	That's 17.
21	The next one was 20. All right. That one
22	differs only in that instead of time intervals it is
23	different wind velocities that were averaged to get an
24	appropriate wind velocity selected for the chi over Q
25	calculation.

1	21 well, I confess at this point I
2	would concur that 21 is duplicative of 17, as I look
3	at it. And so I would say that slipped through our
4	screening process at the time we put it in.
5	JUDGE KARLIN: Okay. Well, that's
6	unfortunate. I guess what we would say is that if you
7	really think that those are those are duplicative,
8	I don't know whether do you agree, Judge Cole?
9	JUDGE ELLEMAN: Well, the wording is
10	certainly different, but as I sit here and page back
11	and forth between them, they both appear to be dealing
12	with the question of different release times.
13	JUDGE KARLIN: Okay. Good question I
14	guess, and perhaps we could then just say it does
15	appear that 17 and 21 overlap or are duplicative,
16	perhaps exactly. And perhaps when you answer 21 just
17	say, "See answer to 17." Okay, good.
18	JUDGE COLE: Does that answer your query,
19	though?
20	MR. WEISMAN: Yes, Your Honor. We
21	appreciate the guidance. We are interested in being
22	responsive to the Board, and we didn't want to miss
23	anything.
24	JUDGE KARLIN: Good catch. Okay. Thank
25	you.

1 All right. Let's see, I'll just turn to 2 the staff really because, Mr. Lewis, you said your 3 first concern was 115? 4 MR. LEWIS: Yes, sir. 5 JUDGE KARLIN: Okay. So we've got a long 6 Staff, have you got anything between here way to go. 7 and 115? 8 MR. WEISMAN: We do have a couple. 9 JUDGE KARLIN: Okay. 10 MR. WEISMAN: Our next question has to do 11 with Board questions 22, 26, 29, and 30. And this is 12 really a very simple question to make sure that staff 13 didn't miss anything. We understand the questions as 14 they relate to doses, but the one thing that caught 15 our attention was the questions are raised with 16 reference to the section that discusses -- the section 17 of the SER that discusses chi over Qs, the dispersion 18 coefficients. 19 And we wanted to make sure that there 20 wasn't anything in the questions that appear to relate 21 to dose that would require us to answer something 22 about this dispersion coefficients. It doesn't appear 23 to us that there is anything that calls for a response 24 with respect to the dispersion coefficients.

JUDGE ELLEMAN: To the specific values of

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1	the dispersion coefficients?
2	MR. WEISMAN: Yes, that we're just
3	we don't understand the questions as asking about
4	dispersion coefficients. It's only asking about dose.
5	That's how we're understanding it. We want to make
6	sure that that's true.
7	JUDGE ELLEMAN: All right. Let's look at
8	them individually. Say again, the first one was?
9	MR. WEISMAN: It's 22.
10	JUDGE ELLEMAN: 22. Yes. No, that
11	doesn't say anything about specific values of
12	dispersion coefficients. The next is 26?
13	MR. WEISMAN: 26. It's about the milk
14	exposure pathway.
15	JUDGE ELLEMAN: Right.
16	JUDGE KARLIN: With no cows.
17	JUDGE ELLEMAN: With no cows, yes, right.
18	Again, it is not related to specified values. Both of
19	these are related to process, why were they done or
20	not done in the way that we perceived.
21	Okay. The next is 29?
22	MR. WEISMAN: 29. And that's tritium.
23	JUDGE ELLEMAN: Yes, okay. Again, no
24	requirement for specific chi over Q values. And the
25	next is 30?
i	

1	MR. WEISMAN: 30.
2	JUDGE ELLEMAN: Right. Again, no
3	requirement for specific values. That one relates to
4	what we perceived as being missing information.
5	MR. WEISMAN: All right. Well, thank you.
6	I think that I mean, just confirms the staff's
7	reading of the questions, kind of an overly
8	conservative question on our part.
9	JUDGE KARLIN: No, that's fine. It's good
10	if we can clarify that. Great. Because otherwise you
11	might end up having to spend more time answering
12	something that didn't need to be answered.
13	Okay. Next?
14	MR. WEISMAN: Our next one is a little bit
15	of a jump. We go all the way up to 66.
16	JUDGE KARLIN: 66?
17	MR. WEISMAN: 66.
18	JUDGE KARLIN: Okay.
19	MR. WEISMAN: And 66, the question relates
20	to measurements of radioactive materials in the air,
21	soil, and groundwater. And the staff understands this
22	as a question that would be measurements following an
23	accident, and we want to make sure that that's what
24	the Board intended.
25	JUDGE KARLIN: Measurements following an

1	accident.
2	MR. WEISMAN: Yes.
3	JUDGE KARLIN: I didn't think so. Judge
4	Elleman?
5	JUDGE ELLEMAN: No. The intent was for
6	normal circumstances why hasn't there been
7	measurements of this kind reported in the SER.
8	MR. WEISMAN: Okay. So this is for
9	normal
10	JUDGE ELLEMAN: Normal release.
11	MR. WEISMAN: normal environmental
12	monitoring?
13	JUDGE ELLEMAN: That's correct.
14	JUDGE COLE: Which might have already been
15	taking place and continued from operations of Unit 1
16	and 2?
17	MR. WEISMAN: I don't know, but we will
18	the staff will address that when we answer the
19	question.
20	Okay. But so since this is normal
21	effluence, and normal environmental monitoring, we can
22	answer the question that way. That's
23	JUDGE KARLIN: Great. And, you know, part
24	of that is I think that, as we indicated in the
25	instructions, both the staff and the applicant are
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2	are questions about why the SER has this or that or
3	the other. If the staff if the applicant has
4	something they need to say, or think they can
5	contribute, that's good, or you can coordinate as you
6	see fit on that. But this is not meaning that the
7	applicant has you know, doesn't have any
8	responsibility here presumably.
9	MR. WEISMAN: Thank you, Your Honor.
10	JUDGE KARLIN: Thank you.
11	JUDGE ELLEMAN: I would make another
12	comment at this point. Some of these questions were
13	generated before we had a chance to look closely at
14	the EIS, and it does turn out that there is peripheral
15	information in the EIS on some of these questions that
16	are posed.
17	JUDGE KARLIN: Yes.
18	JUDGE ELLEMAN: Although not necessarily
19	direct answers to the questions.
20	JUDGE KARLIN: Yes, that's a good point.
21	We should have raised that at the outset. Yes, that
22	is true. We have generated these safety primarily
23	safety-related questions in a sequential order. We
24	are now working on the EIS questions. We see that the
25	EIS contains may contain some information that is

you know, may respond to these questions even if they

2 If that's true, it may be useful for you 3 to cross reference to the EIS. But I would -- and say 4 so, although it would be much better, I think, if you 5 would not simply cross reference us to some -- you 6 know, some section of the EIS where we have to sort of root around and figure out how is that responsive to 7 8 this question. 9 Spoon-feed us if you can, give us a little 10 bit of what the answer is, and cross reference us if 11 you could, because cross reference to some document 12 that we have trouble understanding or understanding 13 how it answers this question is not going to help us 14 very much. But that is a good point, Judge Elleman. 15 Okay. 66 -- do you have the answer you 16 need on that one? 17 MR. WEISMAN: Yes, Your Honor. 18 JUDGE KARLIN: Okay. Good, good. 19 The next question is 76. MR. WEISMAN: 20 JUDGE KARLIN: Okay. 76, yes. 21 It's the first of the MR. WEISMAN: 22 The Board is asking: what radiation dose question. 23 received immediately outside the 24 containment? And the staff presumes that the Board is 25 asking about outside the secondary containment rather

responsive to some of these questions.

1	than outside the primary containment.
2	JUDGE KARLIN: Yes. Yes, that's correct.
3	MR. WEISMAN: And having made that
4	gotten that right, the question is: at what location
5	outside, immediately outside the secondary
6	containment? Because it does make a difference.
7	JUDGE KARLIN: I would think that you
8	would apply, as the highest values, the most you
9	know, the highest, worst-case, you know, location
10	shall we say.
11	MR. WEISMAN: Okay. So it will be the
12	worst-case location that we know of.
13	JUDGE KARLIN: Yes, please. And I think
14	some of this is maybe answered in the EIS as well.
15	There is some information on this point in the EIS.
16	The exclusionary boundary EAB boundary
17	maybe that's a little redundant is the edge of
18	the boundary. That is where someone could be, you
19	know, not in the exclusionary area but right at the
20	fence line as it were the line.
21	MR. WEISMAN: Oh, yes. We have a complete
22	understanding of the EAB.
23	JUDGE KARLIN: Right.
24	MR. WEISMAN: The exclusionary boundary.
25	JUDGE KARLIN: Good, okay.
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1 MR. WEISMAN: It's just "outside the 2 containment" that was bothering us. 3 JUDGE KARLIN: Okay. 4 MR. LEWIS: And specifying the worst area 5 outside the secondary containment, do you mean the worst area that's accessible to a worker? I mean, it 6 7 could be the roof or --8 JUDGE KARLIN: Yes, the highest area where 9 it's humanly accessible, sort of the reasonably 10 maximally exposed individual, you know, outside of the 11 secondary containment area. Okay? 12 MR. WEISMAN: Yes, thank you. 13 JUDGE KARLIN: That's 76. Okav. 14 MR. WEISMAN: Next question is 80, and 15 this is one that's identified as a legal question. It 16 appears to the staff that at least part of the 17 question may be within the technical staff's expertise 18 as opposed to better -- susceptible to an answer by 19 counsel. 20 For instance, the question how 21 compliance would be monitored and measured, I think 22 that the staff -- we believe the staff could describe 23 how that would be done. And so we were wondering if 24 the portions of the question that appear to be more 25 susceptible to a technical answer, if we could fold that into the staff's answers rather than putting it into our brief.

JUDGE KARLIN: I think that would be fine. Our point in identifying it as a legal question is asking that, to the extent that there are legal citations or authorities that we are looking for, and hopefully you can inform us, how is the 25 millirem per year standard that's imposed by EPA Part 190 to be allocated amongst the multiple reactors, the multiple units, the multiple licensees, if at all.

And, you know, if there is Federal Register type of citations or case law or something else that helps inform that, we would like to see the authorities cited to help us understand whether that really works or not. The specifics of how compliance would be monitored -- yes, if you want to put that into -- I mean, what we're anticipating is that you will, as a general rule, give us this chart back with the blocks filled in, with attachments or references to exhibits as you see fit.

Yes, the answer is -- I think the long and short of it is please give us some legal citations, if there are any. And if there aren't, address it in your brief anyway. But if there is a factual component, you can answer that on the chart, if you

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1	want.
2	MR. WEISMAN: Thank you, Your Honor.
3	JUDGE KARLIN: Okay.
4	MR. WEISMAN: Our next one is Board
5	question 90, and it's not really a question. We
6	this is an easy question to answer.
7	JUDGE KARLIN: 90. 9-0, okay.
8	MR. WEISMAN: This has to do with the
9	evacuation time estimate, the ETE.
10	JUDGE KARLIN: Right.
11	MR. WEISMAN: And it's just a request from
12	the staff that the staff would appreciate some
13	indication if the Board intends to ask technical
14	questions about the ETE, because the staff will have
15	to retain that contractor support if that's the case,
16	and we need some time to do that. So it's just a
17	request and
18	JUDGE KARLIN: Okay.
19	MR. WEISMAN: to get some indication if
20	the Board wants to get into that more deeply.
21	JUDGE KARLIN: Okay.
22	JUDGE COLE: That report isn't available
23	readily to you?
24	MR. WEISMAN: Well, the report is
25	available, and we can we're going to provide it in

our answers.

JUDGE KARLIN: Okay.

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OODGE KAKDIN. OKAY

MR. WEISMAN: But the question is: if you're going to ask technical questions regarding the report after you receive it, if you want to -- if you're going to expect some testimony on that, or pose some final -- a second round of questions on that --

JUDGE KARLIN: Okay.

MR. WEISMAN: -- then we'll need to know that sooner rather than later, so we can arrange for our --

JUDGE KARLIN: We'll try to give you a heads-up on that. I mean, our plan is we've got these questions, you give us answers, we study them. Then, we would have a time when we focus and issue some order laying out the topics we would like to have addressed in the -- in the written testimony you're going to submit.

Then, perhaps all or perhaps even some subset of that will be the subject of oral testimony at the hearing. If we think we're going to be getting into this, we'll try to give you as early a notice as possible, but you'll certainly get that notice at the time we issue our order about the topics for the prehearing -- for the evidentiary hearing.

1	But we'll try to do it ahead of that if we
2	think but I think we had a problem because it kept
3	referring to "the ETE," and that was you know, the
4	question speaks for itself, I think.
5	MR. WEISMAN: We understand now.
6	JUDGE KARLIN: Hopefully, yes. Okay?
7	Next?
8	MR. WEISMAN: The next question is
9	question 99. And I we think we know what this is,
10	what the answer is, we just want to get it on the
11	record. The question has to do with design basis
12	accidents, and at one point makes reference to DNBs.
13	We assume that that is meant to mean DBAs, design
14	basis accidents.
15	JUDGE ELLEMAN: Yes.
16	JUDGE KARLIN: Yes. Typo. Thank you.
17	yes.
18	JUDGE ELLEMAN: Right. They're both
19	referring to the design basis accidents.
20	JUDGE KARLIN: Right. Okay.
21	MR. WEISMAN: And, finally, we're getting
22	to question 115.
23	JUDGE KARLIN: Oh, you're at all right.
24	So, Mr. Lewis?
25	MR. LEWIS: Thank you, Judge Karlin. 115
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actually is part of -- goes with 114. 114 refers to the portion of the safety evaluation report that lists the COL action items. And then, 115 has five items that the Board is asking, how come these weren't included in that table? And when I first looked at this question, I presumed that these were either some commitment that 8 had been made in the application that didn't make it 9 into the table, or perhaps was something the staff in 10 the body of the SER had said needed to be done that 11 was not included in the table. But having now looked, I have not been 13 able to find any discussion of these five items. I just wanted to confirm that the items that are 15 listed as A through E in 115 don't -- aren't referred to, that there's not some reference in the SER that we need to know about. The question is not: why does the staff say one of these items needs to be addressed in the body of the SER, and then, you know, does not include it in the table.

JUDGE KARLIN: Well, it -- the reference I think is SSER, Appendix A. Is that Appendix A, 1 through 7? I'm not sure. Oh, it's -- yes, it's a list of COL action items.

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	TOUGH ELLEMAN: Would you like me to speak
2	to that?
3	JUDGE KARLIN: Yes, please, Dr. Elleman.
4	JUDGE ELLEMAN: All right. 115 are really
5	the subparts of 114. And you're correct, those items
6	are not listed as followup items, but they are items
7	that I would have expected should have been listed as
8	followup items, because they seem to me of sufficient
9	importance that there should be some tag listing them
10	for further inquiry.
11	And so the thrust of the question is
12	basically simple. It is: why didn't these kinds of
13	items show up as items to be pursued in the future?
14	MR. LEWIS: Okay.
15	JUDGE KARLIN: Is that helpful?
16	MR. LEWIS: Yes.
17	JUDGE KARLIN: Okay. So that was your
18	MR. LEWIS: Yes.
19	JUDGE COLE: And looking at this list, it
20	seems that at least several of them have been
21	addressed in the EIS.
22	JUDGE KARLIN: Yes. I mean, if that's the
23	case
24	JUDGE ELLEMAN: If that's true, then a
25	reference to the EIS would be appropriate.
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1	JUDGE KARLIN: Right. With perhaps a
2	little bit of an answer here if it's not readily
3	apparent from the page of the EIS that supposedly
4	you're going to point us to.
5	All right. Any other questions?
6	MR. WEISMAN: The staff has three more
7	questions, two specific to Board question 115.
8	JUDGE KARLIN: 115. Okay. We're still on
9	115.
10	MR. WEISMAN: In Part A, the question
11	relates to doses to construction workers, and comments
12	that those doses should be reevaluated in light of the
13	specific steam supply chosen. The way the staff would
14	understand doses to construction workers, they would
15	result from radiation from operation of the existing
16	units.
17	JUDGE ELLEMAN: Of 1 and 2, that's
18	correct.
19	MR. WEISMAN: And so our question is:
20	what is the reference to the specific steam supply
21	chosen, what is that what is that asking for?
22	JUDGE ELLEMAN: Well, I would agree we
23	should have put two parts in that question. It would
24	include an evaluation during accident conditions,
25	which would relate to the specific steam supply

1	chosen. And then, as you said, it would relate to the
2	normal exposures from 1 and 2.
3	MR. WEISMAN: I guess I'm going to ask for
4	some additional clarification. Is this well, for
5	instance, while Unit 3 is being built, there would not
6	be any exposure resulting from the construction of
7	Unit 3.
8	JUDGE ELLEMAN: That's correct.
9	MR. WEISMAN: Is the assumption that when
10	Unit 4 is being built that perhaps there would be
11	exposures resulting from the already-built Unit 3?
12	JUDGE ELLEMAN: Yes.
13	MR. WEISMAN: All right. I'm still not
14	certain that I understand where the accident dose
15	would come from.
16	JUDGE ELLEMAN: Well, the accident dose
17	would have to come from a Unit 1 or 2 accident that
18	would release radioactivity to construction personnel
19	on 3 or 4.
20	MR. WEISMAN: Okay. I think that that
21	clarifies it for the staff.
22	JUDGE KARLIN: All right. It seemed like
23	a reasonable question.
24	Are there any other
25	MR. WEISMAN: I have another question on
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JUDGE KARLIN: All right.

MR. WEISMAN: And it's Part B. The question relates to impact of localized fogging on transportation accidents. And the question the staff has is: well, what kind of transportation accidents are we talking about?

JUDGE COLE: Fog-caused.

JUDGE ELLEMAN: Well, the thrust of the question in formulating it was you have acknowledged that there would be fogging that can occur with increased frequency up to a distance of I think a mile. And there are a variety of vehicles that would be encountering that. There would be people coming to and from work. There would be trucks arriving and departing with various items on them.

And the question would cover all aspects of those. What's the potential for accidents based on experience and prior analyses for these circumstances.

MR. WEISMAN: All right. So the -- just to repeat it to make sure I understand it. The question is that the fog on local roads could result in traffic accidents on whatever local traffic was around the site.

JUDGE ELLEMAN: That's correct.

1	JUDGE COLE: You might want to add icing
2	to that also.
3	JUDGE ELLEMAN: Yes.
4	JUDGE KARLIN: Well, we didn't ask that.
5	But do we want to add that?
6	JUDGE COLE: Well, moisture-induced icing.
7	JUDGE KARLIN: All right. Could we ask
8	you to address that as well?
9	MR. WEISMAN: Yes, Your Honor.
10	JUDGE KARLIN: Okay. Thank you.
11	MR. WEISMAN: The staff has really only
12	one other question. Judge Karlin, you alluded to the
13	fact that these were primarily safety questions.
14	We're going to point out some questions that we
15	thought were more appropriately responded to in the
16	context of the environmental review, and we will do
17	that.
18	JUDGE KARLIN: Okay.
19	MR. WEISMAN: The only other general
20	question that I have is some of the there are
21	the variety of questions appear to have some kind of
22	a legal component to it, and it's a format question.
23	May we answer those in the context of our brief, what
24	we see as the legal issues raised, and put the
25	technical part of it in the table?

1	JUDGE KARLIN: Well, we have identified
2	specifically a number of legal questions, which
3	MR. WEISMAN: Yes, Your Honor.
4	JUDGE KARLIN: Are you suggesting you have
5	others that you think might also have a legal
6	component?
7	MR. WEISMAN: There may be a couple of
8	others that have
9	JUDGE KARLIN: Okay.
10	MR. WEISMAN: a legal component to it.
11	JUDGE KARLIN: Well, if yes, if there
12	is a legal component that you think of a question
13	we haven't identified as such, please do take a crack
14	at addressing it in your brief and giving us
15	authorities or other such citations that will help us
16	think this through and write a decision, because we
17	may be we will be writing a decision ultimately,
18	and sometimes we're asking you for something as simple
19	as a definition, which everyone knows what that means,
20	but you can't for the life of me, I can't find a
21	reg that gives me the definition. And if you can help
22	us in some of those ways, great.
23	Yes. So if there are other legal elements
24	that you want to address in your brief, please do so.
25	Try to be as clear as you can as to what question you

1	are correlating your discussion with, and, you know,
2	answer the and you may want to reference that in
3	your answer on the chart, that we have addressed this
4	in our brief at page such and such. And we encourage
5	both of the parties to address these legal issues,
6	unless you have agreed upon some single statement on
7	that point.
8	MR. WEISMAN: Thank you, Your Honor.
9	JUDGE KARLIN: Okay. Did you want to
10	you say there's some of them you think are
11	environmentally-related. Do you want to just note
12	that when you give us your answers?
13	MR. WEISMAN: Yes, we'll note that in the
14	answers.
15	JUDGE KARLIN: Okay. But you will provide
16	the answers. Otherwise, we may you know, we don't
17	want to have to ask them again, or we're going to try
18	to avoid asking them again. We may, but we'll try to
19	minimize it.
20	MR. WEISMAN: Yes, Your Honor.
21	JUDGE KARLIN: Okay. All right. Anything
22	else we need to cover at this point, Mr. Weisman?
23	MR. WEISMAN: The staff doesn't have
24	anything right now.
25	JUDGE KARLIN: Okay.

1	MR. WEISMAN: Although I might want to
2	consult with
3	JUDGE KARLIN: Okay.
4	MR. WEISMAN: the project managers.
5	JUDGE KARLIN: Yes. Well, do you want to
6	do that?
7	Mr. Lewis?
8	MR. LEWIS: Nothing more at this point.
9	JUDGE KARLIN: Okay. All right. Why
10	don't you we'll take a minute, and go ahead and
11	consult with your project manager. We'll go off the
12	record for a moment.
13	MR. WEISMAN: Thank you.
14	(Whereupon, the proceedings in the
15	foregoing matter went off the record at
16	2:35 p.m. and went back on the record at
17	2:36 p.m.)
18	JUDGE KARLIN: Anything else, Mr. Weisman?
19	MR. WEISMAN: We don't have anything else,
20	Your Honor.
21	JUDGE KARLIN: Okay. Great.
22	And, Mr. Lewis, you have already said
23	you're okay.
24	Dr. Elleman, anything you or Dr. Cole need
25	to add at this point?
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1	JUDGE ELLEMAN: I think not.
2	JUDGE KARLIN: Okay. I think this has
3	been helpful. Mr. Moulding, it was a good idea, it
4	seems. At any rate, hopefully this has helped you.
5	We will do the same thing with regard to the
6	environmental questions in I guess a month or
7	something like that. We will presumably see some or
8	all many of you down in Louisa County High School
9	on February 8th.
10	With that, we're adjourned. thank you
11	very much.
12	(Whereupon, at 2:37 p.m., the proceedings
13	in the foregoing matter were adjourned.)
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CERTIFICATE

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This is to certify that the attached proceedings before the United States Nuclear Regulatory Commission in the matter of:

Name of Proceeding: Dominion Nuclear North Anna

Docket Number: 52-008-ESP

Location:

Rockville, Maryland

were held as herein appears, and that this is the original transcript thereof for the file of the United States Nuclear Regulatory Commission taken by me and, thereafter reduced to typewriting by me or under the direction of the court reporting company, and that the transcript is a true and accurate record of the foregoing proceedings.

Official Reporter

Neal R. Gross & Co., Inc.