# In the Matter of:

# Defense Nuclear Facilities Safety Board

August 28, 2018 Public Hearing

**Condensed Transcript with Word Index** 



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# Defense Nuclear Facilities Safety Board

8/28/2018

		1	3
1			1 PROCEEDINGS
2			2
3	DEFENSE NUCLEAR FACILITIES SAFETY BOARI		3 MR. HAMILTON: Good morning, my name is Bruce
4			4 Hamilton, I am the acting Chairman of the Defense
5			5 Nuclear Facilities Safety Board. I will preside over
6			6 this morning's public hearing.
7			7 I now call this hearing into order. I would
8	FIRST PUBLIC HEARING ON THE		8 like to introduce my colleagues on the Board: Two seats
9	DEPARTMENT OF ENERGY'S INTERFACE		9 to my right is Board Member Jessie Roberson; to my
10	WITH THE		10 $$ immediate right is Board Member Joyce Connery; and to my $$
11	DEFENSE NUCLEAR FACILITIES SAFETY BOAN	D	11 left is Board Member Daniel Santos. We four constitute
12			12 the Board.
13			13 The Board's acting general counsel, Ms. Casey
14			14 Blaine, is seated two seats to my far right. Several
15	August 28, 2018		15 leaders and members of the Board staff who are closely
16	9:00 a.m.		16 involved with the oversight of the Department of
17			17 Energy's defense nuclear facilities are also here, and I
18			18 would like to recognize the Honorable Jack Crawford.
19	Defense Nuclear Facilities Safety Boar	d	19 Oh, there you are right there, Mr. Crawford, right up
20	625 Indiana Avenue, NW		20 front, who was one of the original Board members. So,
21	Washington, DC 20004		21 welcome, Mr. Crawford. Nice to see you.
22			22 The goal for this hearing is to gather
23			23 information regarding the objectives of the Department's
24			24 Departmental Order 140.1, Interface with the Defense
25			25 Nuclear Facilities Safety Board, the Board's access to
25		2	4
1	I N D E X	_	4 1 information, facilities and personnel, and potential
1 2		2	<pre>4 1 information, facilities and personnel, and potential 2 impacts to the Board's Resident Inspector Program.</pre>
1 2 3	AGENDA ITEM: PAG	2	4 1 information, facilities and personnel, and potential 2 impacts to the Board's Resident Inspector Program. 3 The Board's enabling legislation contained
1 2	AGENDA ITEM: PAG Session 1: Secretary of Energy's position	2	I information, facilities and personnel, and potential impacts to the Board's Resident Inspector Program. The Board's enabling legislation contained within the Atomic Energy Act as amended defines this
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1 (Pages 1 to 4)

Defense Nuclear Facilities Safety Board

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1	changes with Department's leadership.	1	The Board reserves the right to regulate the
2	In the first session, the Deputy Secretary of	2	course of this hearing, to recess, reconvene, postpone
3	Energy will describe the Department's position on	3	or adjourn this proceeding, and to otherwise exercise
4	interface between the Department and the Board. In the	4	our authority under the Atomic Energy Act of 1954, as
5	second session, the Board will hear testimony regarding	5	amended.
6	changes contained in the order, including access to	6	This concludes my opening remarks as the acting
7	information, facilities and personnel, and potential	7	Chairman. I would now like to offer the following
8	impacts to the Board's Resident Inspector Program.	8	personal remark as a Board member. On May 24th, by a
9	In the third session, members of the public may	9	vote of three to one, the Board approved holding this
10	provide comment.	10	hearing. Mine was the dissenting vote. In the
11	The Board announced this morning's hearing on	11	following weeks, as I had more time to examine the
12	July 19th on its public website and subsequently posted	12	issues, I concluded that I was wrong. I now believe
13	a notice in the Federal Register on August 10th, 2018.	13	this hearing is extremely important and timely, and were
14	To ensure accurate and timely information, this hearing	14	the vote to be held again, I would wholly endorse it.
15	is being videostreamed live, as well as recorded through	15	I want to thank Board Member Santos for
16	video recording and a verbatim transcript. The	16	proposing to hold this hearing, as well as Board Members
17	transcript, associated documents, public notice and	17	Roberson and Connery who carried the motion when I was
18	video recording will be available for viewing on our	18	not yet awakened to their wisdom.
19	public website. The Board will make the video recording	19	I will now turn my fellow Board members for
20	available for at least 60 days.	20	their opening remarks.
21	Per the Board's practice, and as stated in the	21	Ms. Roberson?
22 23	agenda, we will welcome comments from interested members	22 23	MS. ROBERSON: I have no opening comments at
23 24	of the public at approximately 11:30. A list of those speakers who have contacted us is posted at the entrance	23	this time, Mr. Chairman. MR. HAMILTON: Mr. Santos?
24	to this room. In general, we have listed the speakers	24	MR. SANTOS: Thank you. Acting Chairman
23	to this room. In general, we have noted the speakers		WIR. SARVIOS. Thank you. Adding channian
	6		8
1	in the order in which they contacted us, or, if	1	Hamilton, Fellow Board Members, Mr. Brouillette,
2	in the order in which they contacted us, or, if possible, when they wished to speak. I will call the	2	Hamilton, Fellow Board Members, Mr. Brouillette, Mr. Crawford and other distinguished guests,
2 3	in the order in which they contacted us, or, if possible, when they wished to speak. I will call the speakers in this order and ask that each speaker states	2 3	Hamilton, Fellow Board Members, Mr. Brouillette, Mr. Crawford and other distinguished guests, stakeholders and members of the public today in
2 3 4	in the order in which they contacted us, or, if possible, when they wished to speak. I will call the speakers in this order and ask that each speaker states his name or her name and affiliation, if any, at the	2 3 4	Hamilton, Fellow Board Members, Mr. Brouillette, Mr. Crawford and other distinguished guests, stakeholders and members of the public today in attendance or following today's hearing online: For the
2 3 4 5	in the order in which they contacted us, or, if possible, when they wished to speak. I will call the speakers in this order and ask that each speaker states his name or her name and affiliation, if any, at the beginning of that session.	2 3 4 5	Hamilton, Fellow Board Members, Mr. Brouillette, Mr. Crawford and other distinguished guests, stakeholders and members of the public today in attendance or following today's hearing online: For the Board to remain effective, careful attention must be
2 3 4 5 6	in the order in which they contacted us, or, if possible, when they wished to speak. I will call the speakers in this order and ask that each speaker states his name or her name and affiliation, if any, at the beginning of that session. Members of the public who wish to provide	2 3 4 5 6	Hamilton, Fellow Board Members, Mr. Brouillette, Mr. Crawford and other distinguished guests, stakeholders and members of the public today in attendance or following today's hearing online: For the Board to remain effective, careful attention must be exercised and a high level of understanding,
2 3 4 5 6 7	in the order in which they contacted us, or, if possible, when they wished to speak. I will call the speakers in this order and ask that each speaker states his name or her name and affiliation, if any, at the beginning of that session. Members of the public who wish to provide comments but did not have the opportunity to notify us	2 3 4 5 6 7	Hamilton, Fellow Board Members, Mr. Brouillette, Mr. Crawford and other distinguished guests, stakeholders and members of the public today in attendance or following today's hearing online: For the Board to remain effective, careful attention must be exercised and a high level of understanding, transparency and stakeholder engagement must be achieved
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Public Hearing

# Defense Nuclear Facilities Safety Board

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1	the Secretary of Energy and the public in a timely	1	know what problem this order solves. After 30 years of
2	manner.	2	interaction with the Board, the Department has issued an
3	Last fall, following the issuance of the Deputy	3	order, an order that doesn't simply codify the status
4	Secretary of Energy memo dated October 13th, 2017 titled	4	quo of the interactions between the Board and the
5	Relationships with the Defense Nuclear Facilities Safety	5	Department, but changes the interactions significantly,
6	Board, we requested that the Department of Energy brief	6	and seems to endeavor to limit the Board's access and
7	us on changes they planned to make to their interface	7	authorities at defense nuclear facilities.
8	with the Board. My understanding coming out of that	8	Therefore, my first basic question is, why?
9	briefing, which was held here at headquarters on October	9	What problem is the order designed to solve?
10	26th, 2017, was that changes were going to be primarily	10	Secondly, the order is very specific in areas as
11	focused on clarifying the roles, responsibilities and	11	to execution of the order in the field. In fact, it is
12	lines of accountability of the Department of Energy	12	accompanied by a desk reference that's 58 pages long.
13	internal elements, and that no changes will affect the	13	I'd note we only have about 65 technical staff members,
14	relationship with the Board or require any significant	14	so that's almost a page per person. It seems a little
15	adjustment on the part of the Board.	15	bit overkill.
16	However, on May 14th, 2018, the Department of	16	Therefore, my second question has to do with any
17	Energy approved DOE Order 140.1. I was surprised to	17	changes in expectations in the Department's view as to
18	learn that it contained many changes that affected their	18	how we do business. How do you envision we will do
19	relationship with the Board, that it challenged the	19	business differently than we have done to date?
20	authorities contained in the Board's enabling statute,	20	And, finally, I want to understand the
21	and that it significantly altered the role of	21	Department's philosophy on safety. We've seen a number
22	independent safety oversight without an obvious and	22	of trends where the Department has been making changes
23	commensurate improvement to safety.	23	in safety strategy, such as in 10 CFR 830, the Federal
24	Therefore, on May 24th, 2018, the Board approved	24	rule on nuclear safety, which is in Federal rulemaking
25	my proposal to conduct today's hearing so we can finally	25	right now, and some of its associated standards. There
	10		12
1	start a transparent dialogue. We should use the	1	seems to be a connection between some of the elements of
2	information obtained during this series of hearings to	2	interface Order 140.1 and DOE's efforts to have a
3	get a better understanding of the impact this new order	3	greater approach to safety, and I would like to
4	may have on the Board's ability to execute its mission	4	understand more about the Department's overall
5	and how its implementation by DOE elements may generate	5	intentions when it comes to nuclear safety.
6	information gaps that should be addressed by both	6	With that, I look forward to your remarks.
7	agencies before they impact safety.	7	MR. HAMILTON: Thank you, Ms. Connery.
8	I appreciate and am encouraged by today's	8	Our first speaker this morning is the Deputy
9	participation by the Department of Energy, and I remain	9	Secretary of Energy, the Honorable Dan Brouillette.
10	optimistic that we will continue our strong and	10	Mr. Brouillette, welcome to our public hearing. We
11	productive relationship for the benefit of the American	11	appreciate your joining us today to discuss a topic that
12	people.	12	is fundamental to our relationships. The floor is
13	This concludes my opening statement. Thank you.	13	yours, sir.
14	MR. HAMILTON: Thank you, Mr. Santos.	14	MR. BROUILLETTE: Thank you, Mr. Chairman. And
15	Ms. Connery?	15	on behalf of the Secretary of Energy, I welcome the
16	MS. CONNERY: Thank you, Mr. Hamilton. I want	16	opportunity to provide an opening statement at today's
17	to thank the Deputy Secretary for taking his time to	17	public hearing on the Department's interface with the
18	come talk to us today. We have many questions with	18	DNFSB. Thank you, sir, for that opportunity, and thank
19	regards to this order, and the Department's intent, the	19	you to each one of the Board members for the opportunity
20	expectations for the execution of this order, and	20	to be with you today.
21	ultimately the impact that the full implementation of	21 22	Since becoming the Deputy Secretary of Energy, I
22	this order will have on nuclear safety.	22 23	have had a pleasure of meeting with a number of Board
23 24	I don't want to take up too much time now, but I would like to outline the questions that I would like	23	members individually and the Board staff. And as you recall, I also visited with Board members and the staff
24 25	answered during the hearing. First, I would like to	24	in November 2017 following the issuance of my October
23	and the during the neuring. I not, I would like to		and the remover 2017 removing the issuance of my October

3 (Pages 9 to 12)

#### Defense Nuclear Facilities Safety Board

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1	2017 memorandum addressing the Department's relationship	1	advice, analysis, and recommendations to assist the
2	with the DNFSB, which provides my expectations for how	2	Department in overseeing our defense nuclear facilities.
3	the Department will interact with the Board and its	3	The DOE order, which the Department issued in
4	staff.	4	May of this year, is consistent with governing
5	As I stated last November, and which still holds	5	legislation and does not hinder cooperation with the
6	true today, although the Board and the Department are	6	DNFSB or prevent the DNFSB from providing independent
7	independent agencies, the Secretary and I believe that	7	analysis, advice and recommendations to either the
8	we mutually serve beneficial and essential functions in	8	Secretary or others in the Department to ensure that we
9	that the Board's independent analysis, advice and	9	have adequate protection of public health and safety.
10	recommendations are vital to DOE, ensuring adequate	10	Since the issuance of the order, we have heard
11	protection of public health and safety of the	11	concerns from Board members, your staff, and from some
12	Department's defense nuclear facilities and its	12	Congressional staff, on what they perceive to be the
13	operations.	13	order's view of the Board's jurisdiction. I'd like to
14	We have certainly benefited from your technical	14	address each of those major concerns now.
15	expertise, your insights, and your recommendations for	15	Regarding adequate protection of public health
16	many, many years; however, we also understand that when	16	and safety, this is our primary point of interface, and
17	it comes to the safe operations of DOE sites and	17	should be the focus of our interactions. DOE Federal
18	facilities, the buck stops squarely at our door, and we	18	and contractor employees are especially and particularly
19	take full responsibility for that safety, for which	19	trained to execute their work in and around the hazards
20	Congress and the public holds us accountable, and	20	posed by our mission. Their safety is the focus of our
21	rightfully so.	21	training programs, and multiple requirements established
22	To that end, we re-affirm our commitment to	22	by governing directives, standards and procedures.
23	carry out our mission as a Federal department in a safe,	23	While we value your advice on these matters, and
24	secure and environmentally responsible way; we re-affirm	24	we truly do, this should never detract from our shared
25	our dedication to providing reasonable assurance of	25	focus of protecting public health and safety.
	14		16
1	adequate protection to public health and safety; we	1	Regarding activities involving transportation of
2	re-affirm our dedication to protecting the health and	2	nuclear materials, it is our view that the
3	safety of our workers; and we re-affirm our	3	transportation activities for nuclear explosives and for
4	determination to accept full responsibility for any and	4	nuclear materials outside DOE facilities are subject to
5	all outcomes of our efforts.	5	other governing authorities. We agree that your
6	Clearly the Board provides valuable insight and	6	oversight of movements of nuclear explosives and
7	advice, but ultimately, we, at DOE, cannot abdicate our	7	materials within the boundaries of defense nuclear
8	arren nage angihilitze ta managa tha nighta agga aista derrith	0	facilities is whally annomiate
9	own responsibility to manage the risks associated with	8	facilities is wholly appropriate.
	our facilities and operations in an appropriate and	9	On the issue of access to draft or
10	our facilities and operations in an appropriate and conscientious fashion.	9 10	On the issue of access to draft or pre-decisional information, we do reserve the right to
11	our facilities and operations in an appropriate and conscientious fashion. DOE line management must be held accountable,	9 10 11	On the issue of access to draft or pre-decisional information, we do reserve the right to control information in the pre-decisional phase. It is
11 12	our facilities and operations in an appropriate and conscientious fashion. DOE line management must be held accountable, and we must have clear roles and responsibilities to	9 10 11 12	On the issue of access to draft or pre-decisional information, we do reserve the right to control information in the pre-decisional phase. It is an ineffective use of our resources to pursue interim
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- 20 As a result, and as part of the Department's 21 Regulatory Reform Initiative, we've converted an
- 22 outdated 17-year-old Interface Manual into a DOE order
- 23 to re-establish clear lines of responsibility and
- 24 reinforce our respective roles: DOE as the owner and
- 25 regulator, and DNFSB as the independent agency providing

accountability and ownership of the resulting decision. We will consider and share this information on a case-by-case basis, if we believe the information is mature enough to make the interaction valuable.

Finally, concerning oversight of Hazard Category 3 Defense Nuclear Facilities, we note that in accordance

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<sup>4 (</sup>Pages 13 to 16)

#### Defense Nuclear Facilities Safety Board

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1	with the definition of Hazard Category 3, these	1	Thank you.	
2	facilities do not pose a risk to the public. While we	2	(Whereupon, there was a recess in the	
3	welcome your review and comment to help ensure that	3	proceedings.)	
4	these facilities are properly categorized, as stated	4	ACTING CHAIRMAN HAMILTON: At this time, I wou	ld
5	earlier, this interaction should not detract from our	5	like to reconvene our hearing and continue by inviting	
6	focus on facilities with higher hazard categorization,	6	our panel of witnesses for session 2, including Mr. Matt	
7	which could pose a risk to public health and safety, and	7	Moury, Associate Under Secretary for Environment,	
8	should be our joint focus.	8	Health, Safety and Security; and Mr. Ike White, Chief of	
9	However, it is important to note that even prior	9	Staff and Associate Principal Deputy Administrator of	
10	to the development and issuance of the Interface Order,	10	the NNSA; and Mr. Chris Roscetti, our Technical Director	
11	these very issues remain a matter of discussion between	11	here at the Board.	
12	the Department and the DNFSB in the context of governing	12	Messrs. Moury and White are here on behalf of	
13	legislation and not any Department directive.	13	the Under Secretary of Energy and the Under Secretary	
14	Looking to the future, here are some of the	14	for Nuclear Security, respectively.	
15	things that the Secretary and I are committed to	15	Does anyone on the panel wish to submit a	
16	carrying out within our Department: We will perform our	16	written statement?	
17	role as facility owner, operator and regulator, as well	17	(No response.)	
18	as steward for the taxpayer in safely achieving the	18	ACTING CHAIRMAN HAMILTON: Not at this time.	
19	missions the law mandates the Department to pursue; we	19	Okay. The Board will ask questions of the panel	
20	will cooperate closely with the DNFSB and provide	20	members. Other panelists may seek recognition by me to	
21	complete access to the information that you need to	21	supplement any answer as necessary. If any panelist	
22	carry out the Board's mission consistent with your	22	would like to take the question for the record, the	
23	legislative mandate; we will proactively engage with the	23	response will be entered into the record at a later	
24	DNFSB so that we fully understand the bases and	24	time.	
25	underlying analyses behind its advice or its draft	25	We will begin with questions from Board members,	
	18			20

1 recommendations, including the safety benefits it sees 1 2 for Departmental operations at the Department's nuclear 2 3 3 facilities; we will formulate consolidated DOE positions 4 4 on policy, to include directives and standards prior to 5 5 the Board's staff engagement so that we can ultimately 6 speak with one consistent voice; and we will reinforce 6 7 with DOE line managers the expectation that they will 7 8 8 make sound technical decisions, drawing upon all 9 9 reasonably available information, including the advice 10 and observations from the DNFSB. 10 We believe that implementing these pledges, 11 11 12 consistent with the DOE order and the Board's 12 13 13 jurisdictional mission, will uniformly complement the 14 Board's advisory mission and the Department's safety 14 15 management responsibility for its defense nuclear 15 16 facilities. 16 17 Mr. Chairman and members of the Board, I want to 17 18 thank you again for inviting me here this morning. I 18 19 look forward to the comments and the conclusion of this 19 20 hearing, and I look forward to our future engagements. 20 21 21 MR. HAMILTON: Thank you, Mr. Brouillette. We 22 22 appreciate your taking the time to join us here today. 23 23 In order to allow Mr. Brouillette to depart, we will 24 take a 10-minute recess and we will adjourn or we will 24 25 25 reconvene by this clock at 35 minutes after the hour.

and I will start with the first question. Mr. Roscetti, there have been prior attempts to issue an Interface Order to replace the Departmental Interface Manual that were undertaken in the past decade. Could you briefly describe what these efforts were to your knowledge? MR. ROSCETTI: Yes, sir. On two separate occasions, the Department attempted to revise its Manual 140, the directive that preceded the recently approved Order 140.1. In 2007, the Department embarked on what was called the Office of Health, Safety and Security Directives Review, or HHS Directives Review. Manual 140.1 was part of phase 2 of this effort. In July 2009, the Board's staff members reviewed a draft of the Department's draft Order 140.1. The HHS Directives Review was subsumed by the Department's 2010 Safety and Security Reform. The Office of Health, Safety and Security also led the 2010 Safety and Security Reform. Again, the staff reviewed a draft, but those drafts were never finalized and issued. Consequently, the Interface Manual continued to govern the Department's interface with the Board until May 2018. For the 2011 effort, the Department's Justification Memo noted that the conversion was called for by the Departmental direction requiring conversion of manuals to orders during their normal review cycle.

5 (Pages 17 to 20)

### Defense Nuclear Facilities Safety Board

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1 2	The Justification Memo for the 2011 effort noted	$\begin{vmatrix} 1\\2 \end{vmatrix}$	Board members, and there are three general themes, I think, that he always emphasized when I was a member of
3	that the major changes were to provide more concise goals and requirements, and to condense the sections on	$\begin{vmatrix} 2\\3 \end{vmatrix}$	the Defense Board member staff. As you all know, I was
4	interactions between the Department and the Board. No	4	with the staff for about 18 years before I went over to
5	other explicit changes beyond converting and	5	the Department of Energy, first in the Office of
6	streamlining the content of the Interface Manual were	6	Environmental Management as a deputy assistant
7	identified in the Justification Memo.	7	secretary, and now in my current position, and one of
8	The Board's staff review of the previous draft	8	the major themes that he always emphasized that I have
9	orders indicate that the general intent of the 2011	9	always carried with me is clear roles and
10	Justification Memo to convert and streamline the	10	responsibilities and line management's responsibility
11	Interface Manual was carried out in the previous drafts	11	for safety, very consistent with our guiding principles
12	from 2009 to 2011. The previous drafts did not include	12	for integrated safety management.
13	significant changes in interface expectations, changes	13	The second one that we always talked about was
14	to the scope of the Board's oversight, or changes to	14	the need to institutionalize processes. And that was
15	access to information, personnel or facilities.	15	always a common complaint whenever we were reviewing
16	In a memo dated September 25th, 2017, and in	16	Department programs and found them devoid of process.
17	response to direction from the Deputy Secretary, the	17	So the order also puts a very formal process in place
18	Department's Office of Management requested an	18	for how we deal with Board recommendations, especially
19	evaluation of the Interface Manual. In May 2018, the	19	the new ones related to draft recommendations, and
20	new Interface Order was issued with major changes from	20	requests for documentation, et cetera.
21	the Interface Manual.	21	And then, finally, probably one of the most
22	I request Exhibit 5 to be entered into the	22	significant themes that he always emphasized was that
23	record, which summarizes the staff's view of the major	23	the Department needed to be a demanding customer with
24	changes. These changes will be discussed during the	24	their contractors. So it's very important, as you've
25	course of the hearing, and include the Department's new	25	read through the order, that we require the Defense
	22		24
_	22		24
1	definition of "public health and safety" to include only	1	Board, or we ask the Defense Board to interface with the
2	definition of "public health and safety" to include only individuals beyond the site boundaries; the Department's	2	Board, or we ask the Defense Board to interface with the Department of Energy, because the contractors work for
2 3	definition of "public health and safety" to include only individuals beyond the site boundaries; the Department's new restriction on access to information for Hazard	2 3	Board, or we ask the Defense Board to interface with the Department of Energy, because the contractors work for the Department of Energy. And we would be the ones that
2 3 4	definition of "public health and safety" to include only individuals beyond the site boundaries; the Department's new restriction on access to information for Hazard Category 3 in radiological defense nuclear facilities;	2 3 4	Board, or we ask the Defense Board to interface with the Department of Energy, because the contractors work for the Department of Energy. And we would be the ones that need to be aware of what work is going on, what they're
2 3 4 5	definition of "public health and safety" to include only individuals beyond the site boundaries; the Department's new restriction on access to information for Hazard Category 3 in radiological defense nuclear facilities; the Department's new restrictions on access to	2 3 4 5	Board, or we ask the Defense Board to interface with the Department of Energy, because the contractors work for the Department of Energy. And we would be the ones that need to be aware of what work is going on, what they're providing Defense Board, and the discussions that are
2 3 4 5 6	definition of "public health and safety" to include only individuals beyond the site boundaries; the Department's new restriction on access to information for Hazard Category 3 in radiological defense nuclear facilities; the Department's new restrictions on access to deliberative documents, pre-decisional documents or	2 3 4 5 6	Board, or we ask the Defense Board to interface with the Department of Energy, because the contractors work for the Department of Energy. And we would be the ones that need to be aware of what work is going on, what they're providing Defense Board, and the discussions that are going on.
2 3 4 5 6 7	definition of "public health and safety" to include only individuals beyond the site boundaries; the Department's new restriction on access to information for Hazard Category 3 in radiological defense nuclear facilities; the Department's new restrictions on access to deliberative documents, pre-decisional documents or deliberative meetings; the Department's new requirements	2 3 4 5 6 7	Board, or we ask the Defense Board to interface with the Department of Energy, because the contractors work for the Department of Energy. And we would be the ones that need to be aware of what work is going on, what they're providing Defense Board, and the discussions that are going on. So those are some of the themes, I think, that
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6 (Pages 21 to 24)

### Defense Nuclear Facilities Safety Board

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1	Board. Requests for documentation, it still follows the	1	MR. SANTOS: Did the Integrated Project Team
2	same process, requesting of a requests for	2	include any member from worker unions?
3	information, so on and so forth.	3	MR. MOURY: Not that I'm aware of.
4	I don't I don't see it as a significant	4	MR. SANTOS: Did the Integrated Project Team
5	change in how we are going to interact with the Defense	5	include any member from the public?
6	Board, and I think it's important as we move through in	6	MR. MOURY: Not that I'm aware of, no.
7	this discussion and as you continue with your	7	MR. SANTOS: Did the Integrated Project Team
8	questioning, that Mr. White has the opportunity to talk	8	include any member from contractor organizations that
9	to you about how at least on the NNSA side, they have	9	operate defense nuclear facilities that are subject to
10	planned to interact at the site level with your site	10	DNFSB oversight?
11	resident inspectors.	11	MR. MOURY: Not that I'm aware of.
12	ACTING CHAIRMAN HAMILTON: Let me ask Mr. White	12	MR. SANTOS: Okay.
13	right now, then, do you have anything to add to that	13	MR. MOURY: Mr. Santos, I think it's important
14	that you could share with us right now? Specifically	14	to realize that we were creating an internal document
15	how this improves the relationship between the Board and	15	for the Department of Energy that lays out roles and
16	the Department?	16	responsibilities for the Department, and as such, it was
17	MR. WHITE: Well, I mean, my perspective is the	17	considered an inherently Governmental process, which is
18	order itself is intended to continue our relationship,	18	why many of those people that you mentioned are not on
19	right? It certainly is not intended to harm that	19	the team and are not on our teams whenever we develop
20	relationship. The primary points from my point of view	20	DOE orders.
21	are mostly about roles and responsibilities on our side	21	MR. SANTOS: I think, Ms. Roberson, you want to
22	and about ensuring that our folks have ownership and	22	follow up or you want me to? Go ahead.
23	accountability for decisions they make, but it's	23	MS. ROBERSON: I was going to suggest that we
24	certainly not intended to have a negative impact on the	24	take for the record to confirm who was on the team. And
25	relationship between us and the Defense Board.	25	that goes with that last question.

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1	ACTING CHAIRMAN HAMILTON: Thank you.	1	MR. MOURY: We will provide all the members of
2	Mr. Santos?	2	the team.
3	MR. SANTOS: Thank you, Acting Chairman.	3	MS. ROBERSON: Thank you.
4	Mr. Moury, we understand that the development of	4	MR. SANTOS: I was going to go to a document in
5	this order followed the Integrated Project Team process.	5	our booklet. We have here a memo dated September 25th,
6	I have a series of questions regarding the Integrated	6	2017 that I would like to submit for the record.
7	Project Team for this Order 140.1. I ask you to please	7	Mr. Chairman?
8	provide simple yes or no answers in order to save some	8	ACTING CHAIRMAN HAMILTON: So granted. Please
9	time.	9	read the subject in the subject line.
10	First question, did the Integrated Project Team	10	MR. SANTOS: Subject line: "Request to conduct
11	include any member from the Defense Nuclear Facilities	11	evaluation of DOE Manual 140.1: Interface with the
12	Safety Board?	12	Defense Nuclear Facilities Safety Board, and provide a
13	MR. MOURY: No, it did not.	13	proposed change to the manual into an order."
14	MR. SANTOS: Okay. Second question	14	I would like to note that from that memo that
15	MR. MOURY: Let me just add one thing, and with	15	there are several members from contractor organizations
16	your permission, Mr. Chairman, I would like to submit a	16	and I would like to ask Mr. Moury to reconfirm the
17	copy of DOE Order 251.1, which contains the process for	17	participation could you please provide for the record
18	the Integrated Project Team.	18	the recommendations the contractor organizations gave to
19	MS. BLAINE: Mr. Chairman, we will mark that as	19	the Department of Energy regarding the content of Order
20	DOE Exhibit 1.	20	140.1?
21	ACTING CHAIRMAN HAMILTON: Thank you.	21	MR. MOURY: That will be submitted for the
22	MR. SANTOS: Did the Integrated Project Team	22	record, with the Chairman's permission.
23	include any member from local governments from the	23	ACTING CHAIRMAN HAMILTON: So granted.
24	communities that live near defense nuclear facilities?	24	MR. SANTOS: Thank you.
25	MR. MOURY: Not that I'm aware of.	25	ACTING CHAIRMAN HAMILTON: The chair recognizes

#### 7 (Pages 25 to 28)

**Public Hearing** Defense Nuclear Facilities Safety Board

8/28/2018

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1	Ms. Connery.	
2	MS. CONNERY: So, along those lines, Mr. Moury,	
3	you submitted for the record DOE Order 251.1(d). That	
4	order requires, and I quote, "transmission of draft	
5	directives, invoke standards and other relevant approved	
6	documents through the DOE Department representation to	
7	the Defense Nuclear Facilities Safety Board for	
8	directives of interest to the Board."	
9	Was the draft Interface Order formally	
10	transmitted to the Board as required? If not formally	
11	transmitted as required, why wasn't it formally	
12	transmitted?	
13	MR. MOURY: I believe it was provided to the	
14	Defense Board, the details of that I will have to	
15	provide for the record.	
16	MS. CONNERY: I do not believe that it was	
17	provided formally.	
18	Mr. Chairman, would you care to comment?	
19	ACTING CHAIRMAN HAMILTON: To my knowledge, the	
20	only exchange between the Board and the Department of	
21	Energy was an email exchange that I had with the	
22	Administrator of the NNSA which clearly noted, and I	
23	will submit this for the record this email that is	

will submit this for the record, this email, that is 23

24 dated May 7th, and I want to read the second sentence

25 here, second and third sentences, just to be clear.

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1 "The informal suggestions for consideration that 2 I have collected below do not represent an official act 3 or viewpoint of the Board. The Board reserves the right 4 to comment on this order either before or after its 5 issuance." 6 So the short version of the answer, as I know 7 it, is that there was never any formal exchange, there 8 was only this one email that I sent to Administrator 9 Gordon-Hagerty that was warning her that there were 10 things that we didn't think were appropriate in this 11 order. That's my only knowledge. Do you know of 12 anything else? 13 MR. MOURY: I do not, but I will confirm with 14 the IPT and the Directives Review Board and then provide 15 that response for the record. 16 ACTING CHAIRMAN HAMILTON: Thank you. 17 MS. CONNERY: So along those lines, the IPT, the 18 Integrated Project Team process, seems to bypass the 19 Board in terms of having us look at any input or 20 development to directives or revisions. In particular, 21 obviously, 140.1, which is the interface document, but 22 also we've noticed the same thing on 10 CFR 830, which 23 is the Federal Rule on Nuclear Safety Management; 420.1, 24 the Order on Facilities Safety. So I want to understand 25 if it's the Department's intent to limit the Board's

1	access and input on development of directives.
2	MR. MOURY: No. As noted in the Board's own
3	policy statements on their review of directives, you're
4	allowed to look at directives whenever requested.
5	Whenever you request to look at those directives, the
6	intent of the IPT is not to restrict the Board from
7	looking at them. Going back to the Deputy Secretary's
8	statement, his only request is that we be allowed to
9	provide a consolidated position so that we are speaking
10	with one voice as a department.
11	MS. CONNERY: So after the Department's
12	concluded its work, has a document that is ready to
13	submit then after the decision has been made, you'll
14	submit it to the Board only upon request for comment?
15	Is that how I understand that?
16	MR. MOURY: If you request the document,
17	consistent with our requests for information and
18	consistent with the process that we've been following
19	for the last 20 years, that's the way the document would
20	be provided to the Board.
21	MS. CONNERY: So your staff is not required or

MS. CONNERY: So your staff is not required or instructed to provide any documents to the Board that may be of interest to the Board unless the Board requests it and knows that such a document is under review?

1 MR. MOURY: Well, since your policy statement 2 was issued, we have provided some documents that the 3 Board has elected not to review, and I can provide that 4 information for the record. I don't have it off the top 5 of my head. 6 So our position right now is that if you would 7 like to review the document, please request that 8 document and we will provide it. There is no intent to 9 prevent you from seeing that document. 10 As far as 830 goes, we have a letter from the 11 Chairman that says that you will comment on 830 as part 12 of our Notice of Public Rulemaking Process, and we just 13 recently had that Notice of Public Rulemaking released, 14 the document is out for public comment, and we are 15 looking forward to having the Board's comments and their 16 positions on the rule. 17 MS. CONNERY: I would note that we submitted 18 that letter after the document was in its final form 19 ready to go to the Federal Register, that's when we sent 20 the letter saying we would comment on the public comment 21 process. 22 MR. MOURY: I am going to refrain talking about 23 10 CFR 830 since this is not a public meeting on 830, 24 and if we want to have a subsequent discussion on 830, 25 we would be happy to do that.

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#### Defense Nuclear Facilities Safety Board

1MS. CONNERY: I look forward to that. So one1rephrase your question again on exactly what2last question along this line, Mr. Moury, the central2ACTING CHAIRMAN HAMILTON: Let me be a little3technical authorities, who have responsibility for3bit more specific, then. In your order, the access to4nuclear safety execution in the field, and you quoted4information phrase ends with "to carry out its5Captain Crawford specifically on that matter, they5responsibilities," and you've deleted the phrase "as the6normally review documents that potentially impact6Board considers necessary." So in other words, the7nuclear safety. Can you discuss why the central7statute very specifically gives the authority to decide8technical authorities whether or not they were8what is necessary to the Board. The Board has the9involved in the development of this order, and if they9authority to decide. That language in the order has10weren't, why not?10been diluted so that it says so that it says simply11program offices with central technical authorities were12phrase?12phrase?10Wether the the the due to the du
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12 program offices with central technical authorities were 12 phrase?
13 engaged in the development of the new order. I can have 13 MR. MOURY: Well, the statute also allows the
14 Mr. White confirm on the NNSA side whether their central 14 Secretary to deny access to certain information as well.
15 technical authority was engaged, but I believe they were 15 So when we look at the statute for what the Secretary
16all a part of this process.16or look at the order for what the statute or what the
17 MR. WHITE: I'm happy to respond. 17 Secretary will provide to the Board, "cooperate with
18 MS. CONNERY: Sure. 18 Defense Board, provide the Defense Board with ready
19 MR. WHITE: For NNSA, our Central Technical 19 access to facilities, personnel and information
20 Authority's Office led our participation in the order 20 necessary to carry out its statutory authorities to
21revision.21include and provide access to," and the first group is
22 MS. CONNERY: Thank you. 22 those things that will be provided just carte blanche,
23 ACTING CHAIRMAN HAMILTON: This question will be 23 automatically, to the Defense Board.
24 addressed to both of you, Mr. Moury first, and then to 24 The part that I think you are referring to is
25 Mr. White. The Board's legislation states that the 25 where the Secretary may deny access as allowed by the
34 36
1 Secretary will provide, and I quote, "ready access to 1 statute, and those areas are subject to discussions,
2 such facilities, personnel and information as the Board 2 which was occurring even before DOE 140 was published,

considers necessary to carry out its responsibilities." 3 3 This access was specifically afforded to the previous 4 4 5 5 DOE Interface Manual; however, the new order does not include this language. Instead, it says, "Provide the 6 6 7 7 DNFSB with ready access to such facilities, personnel 8 8 and information as necessary to carry out its statutory 9 9 responsibilities." 10 In other words, the order deletes the statutory 10 phrase "as the Board considers necessary." Mr. Moury, 11 11 12 could you discuss the basis for not including that 12 statutory language in the new order? Specifically why 13 13 14 14 you deleted the phrase "as the Board considers 15 15 necessary." And, Mr. White, I'll ask you the same 16 16 question. 17 17 MR. MOURY: As I'm reading the statute, under 18 18 Responsibilities of the Secretary of Energy, it says, 19 "the Secretary of Energy shall fully cooperate with the 19 20 Board and provide the Board with ready access to such 20 21 21 facilities, personnel and information as the Board 22 22 considers necessary to carry out its responsibilities 23 23 under this subchapter." DOE 140 still allows that to

24 occur. 25 I'm a little confused on why you -- if you could

#### but the restrictions that the Secretary has, as allowed by the statute, the person requesting the information does not need such access in connection with his or her duties, and then requests are pre-decisional, which the Secretary, or Deputy Secretary, talked about in his comments. So there are two elements to this piece of information that the Board may be requesting. The first piece being that information readily accessible, completed documents that will be provided to the Defense Board whenever they provide a Request for Information. No change to that. That's as determined by the Defense Board. The second piece is the pre-decisional piece that you may get some pushback and discussion to understand exactly how it is going to be fulfilling the Board's mission. ACTING CHAIRMAN HAMILTON: Mr. White, do you have anything to add? If not, that's okay. Just to give you a chance to talk. MR. WHITE: A couple of things. One is I'm not

24 sure the statutory distinction wording in the order 25 versus what we ended up with in terms of the new version

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1	of the order, but I would point out that from NNSA's	1	provide the requested information based on the language
2	perspective, I led a training session for our field	2	in the new order.
3	office managers, for our plants, for our laboratories,	3	In most cases, the Department personnel
4	for our points of contact, to make sure that it was	4	eventually overturned the contractor's decisions;
5	clear to them that the for NNSA, that we intended to	5	however, let me provide you with four specific examples
6	continue to provide the Board and its staff with ready	6	where the Department has not provided information or
7	access to all of our nuclear facilities.	7	access that the staff requested. I request Exhibit 6 be
8	So the current unescorted access that your	8	entered into the record.
9	resident inspectors have at all of our sites is to	9	As noted in Exhibit 6, the staff has encountered
10	continue just as it has. This order has no change in	10	difficulties with access to documents needed to
11	that regard. We will continue to respond to requests	11	determine the veracity of a worker complaint related to
12	from you for information related to all of our defense	12	safety at Los Alamos National Laboratory; documents
13	nuclear facilities, just as we have in the past. This	13	related to safety challenges of transitioning to
14	order for us does not change that.	14	shiftwork at the Los Alamos Plutonium Facility;
15	The discussion we had earlier on draft and	15	deliberations during nuclear explosive safety studies at
16	deliberative information, that discussion is actually in	16	the Pantex Plant; and technical basis documents from Los
17	the old order as well as in the new order, and that is	17	Alamos National Laboratory related to the redefinition
18	not that's not really for us it's an emphasis	18	of high explosive violent reaction.
19	point for ability and responsibility for, but it's not a	19	ACTING CHAIRMAN HAMILTON: Thank you,
20	change in the way we have historically operated.	20	Mr. Roscetti.
21	The first 13 years I spent on the Board staff	21	The chair recognizes Board member Roberson.
22	and four years of that as a Resident Inspector, we	22	MS. ROBERSON: Thank you, Mr. Chairman, and
23	routinely had conversations with the Department on draft	23	thank the panel. I haven't had the opportunity to do
24	and pre-decisional information, and I expected those	24	that yet.
25	under the previous order, I expect those conversations	25	First of all, and I appreciate very much the
	38		40
1		1	
1 2	to occur under the new order. So I don't see a change.	1 2	Deputy Secretary as well as the three of you
	to occur under the new order. So I don't see a change. ACTING CHAIRMAN HAMILTON: Thank you, Mr. White.	2	Deputy Secretary as well as the three of you participating in this hearing.
2	to occur under the new order. So I don't see a change.	$\begin{vmatrix} 2\\ 3 \end{vmatrix}$	Deputy Secretary as well as the three of you participating in this hearing. A couple of things I wanted to say leading into
2 3	to occur under the new order. So I don't see a change. ACTING CHAIRMAN HAMILTON: Thank you, Mr. White. I am less concerned with that kind of gray area about internal DOE deliberations. I think reasonable	2 3 4	Deputy Secretary as well as the three of you participating in this hearing. A couple of things I wanted to say leading into the line of questioning is, to emphasize, and I don't
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10 (Pages 37 to 40)

# Defense Nuclear Facilities Safety Board

	41		43
1	other parts of the Atomic Energy Act refers to the site	1	MR. WHITE: Do you mind if I answer that one?
2	boundary as the demarcation for defining public health	2	MS. ROBERSON: I would be honored.
3	and safety.	3	MR. WHITE: Thank you, Jessie.
4	So my first question, Mr. Moury, is, can you	4	The Department is committed to adequate
5	help us understand the origin of this definition for	5	protection of all of its workforce, all of the folks who
6	"public health and safety," as the concept is	6	are at our sites, and all of the members of the public.
7	incorporated in your order?	7	MS. ROBERSON: Okay, Mr. White, you didn't
8	MR. MOURY: Well, clearly, we don't have any	8	actually answer that question.
9	attorneys up here, but I will do my best to answer your	9	MR. WHITE: What was the question?
10	question, Ms. Roberson. We have never defined	10	MS. ROBERSON: You definitely added fruit to the
11	collocated workers as members of the public. 10 C.F.R.	11	conversation, but
12	835 on Occupational Radiation Protection that was	12	MR. WHITE: Yes. I mean, we're definitely
13	published in 1993, defines a member of the public as an	13	committed to adequate protection of our workforce, we're
14	individual who is not a general employee. We treat the	14	committed to adequate protection of all of the folks
15	public differently on legal limits for radiation	15	located on our sites and we are committed to adequate
16	exposure, but we also train our collocated workers, as	16	protection of the public.
17	was mentioned earlier, on the risks they are exposed to,	17	MS. ROBERSON: That answers the question. Thank
18	and emergency response procedures.	18	you very much.
19	This definition is also consistent with the	19	MR. WHITE: Yes.
20	definition in the DNFSB Technical Report 20 on	20	ACTING CHAIRMAN HAMILTON: Ms. Roberson, I would
21	collocated workers, written by former Board Member	21	like to add one clarifying question to your line of
22	Dr. Kouts, with assistance from Mr. DiNunno, that	22	inquiry, if I may. I heard all your references to
23	defines "collocated workers" as "individuals who are	23	previous documents, Tech-20, Code of Federal
24 25	employees of DOE or one of DOE's operating contractors, or mission-related subcontractors, at the nuclear site	24 25	Regulations. My question, the thing that I did not hear, was is there anything in the Atomic Energy Act
23	of mission-related subcontractors, at the nuclear site	25	hear, was is uncreating in the Atomic Energy Act
	42		44
1		1	
1	where the facility in question is located, but who	1	that defines "public health and safety" as being
2	where the facility in question is located, but who spends little if any of their time in the facility."	2	that defines "public health and safety" as being restricted to outside the site boundary? And I think
2 3	where the facility in question is located, but who spends little if any of their time in the facility." That doesn't mean because we don't categorize	2 3	that defines "public health and safety" as being restricted to outside the site boundary? And I think that can be a yes or no question.
2 3 4	where the facility in question is located, but who spends little if any of their time in the facility." That doesn't mean because we don't categorize them as public that we don't protect them. We have a	2	that defines "public health and safety" as being restricted to outside the site boundary? And I think
2 3 4 5	where the facility in question is located, but who spends little if any of their time in the facility." That doesn't mean because we don't categorize them as public that we don't protect them. We have a robust series of enforceable rules, directives,	2 3 4	that defines "public health and safety" as being restricted to outside the site boundary? And I think that can be a yes or no question. MR. MOURY: I think it only refers to whether
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# Defense Nuclear Facilities Safety Board

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1	and 2 nuclear facilities? And I'm specifically looking	1	that I don't have access, my Board, my agency does not
2	for the statutory basis for that.	2	have access to Hazard Category 3 and below? Is that
3	MR. MOURY: Well, the hazard category taxonomy	3	what this exemption means?
4	is a risk-based taxonomy, so it allows us to prioritize	4	MR. MOURY: No. It gets back to our discussion
5	our resources on the highest risk activities, which in	5	we had earlier about public health and safety. By
6	this case are Hazard Category 2 and Hazard Category 1	6	definition, by our 1027 standard on hazard
7	facilities as you mentioned. That does not mean	7	categorization, Hazard Category 3 facilities only have
8	well, let me back up one step and say, you know,	8	localized effects. There is no public health and safety
9	restriction of the Board is not in the order. This	9	effects associated with Hazard Category 3 facilities.
10	order is for defining the roles and responsibilities of	10	That is what the that terminology is in there for.
11	the the roles and responsibilities of DOE and its	11	Mr. White has something that he would like to
12	contractors.	12	add.
13	So saying that it's restricting the Defense	13	ACTING CHAIRMAN HAMILTON: Yeah, I'm going to
14	Board is not if that's confusing, I apologize. But	14	let you talk, but let me just close on this, because I
15	as far as access to Hazard Category 3 facilities, as	15	think this is really crucial that we understand each
16	Mr. White talked about earlier, that you still have	16	other. You, Department of Energy, are defining a
17	access to Hazard Category 3 facilities. You still have	17	construct, hazard categories. That's not in the Atomic
18	information on categorization of those Hazard Category 3	18	Energy Act. The Atomic Energy Act doesn't speak to
19	facilities. If there's any question that we categorize	19	those hazard categories.
20	them correctly or not, you have access to that	20	So you're defining hazard categories, and then
21	information. If you request documents on Hazard	21	you're saying, in these categories, there's no
22	Category 3 facilities, if they're available, they will	22	there's no detriment potential detriment to the
23	be readily provided.	23	adequate protection of the public health and safety, so
24	What the Board chooses to do with those	24	I don't have the right to look at it. So you're making
25	documents is up to the Board, but we are always open, as	25	the determination of what I can look at and what I
	46		48
1		1	
1 2	a learning organization, to any comments that you may	1	can't. I've got to understand that.
2	a learning organization, to any comments that you may have, any concerns you may have, any safety issues that	1 2 3	
	a learning organization, to any comments that you may	2	can't. I've got to understand that. MR. MOURY: No, I understand your question
2 3	a learning organization, to any comments that you may have, any concerns you may have, any safety issues that you may have relative to those Hazard Category 3	2 3	can't. I've got to understand that. MR. MOURY: No, I understand your question exactly.
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#### Defense Nuclear Facilities Safety Board

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1	of the Board or its staff, it doesn't prevent our	1	a debate on whether what categorization of a facility it
2	employees or our contractors from doing anything that	2	is, whether it's three, two or one, that's not relevant
3	they think is in the best interest of the Department and	3	for the Board's independent oversight. Is that correct?
4	of the Government, except in cases where it explicitly	4	MR. MOURY: If there's no access if there is
5	does that.	5	no impact on public health and safety, and you're
6	And certainly when I like I said earlier,	6	requesting a significant review at a Hazard Category 3
7	when I trained our folks, I mean, I had a	7	facility that's going to take significant resources out
8	videoconference with all of our field office managers,	8	of the Department of Energy, I think that's a topic that
9	our plant and our laboratory leadership, and all of our	9	requires discussion. We've had those discussions in the
10	POCs who have to implement this order, and I made it	10	past.
11	very clear to them that that exemption and that language	11	MR. SANTOS: Um-hmm. Thank you.
12	was not intended to deny you access to Hazard Category 3	12	ACTING CHAIRMAN HAMILTON: The chair recognizes
13	facilities, nor was it intended to be reason we would	13	Ms. Connery.
14	not provide you, upon request, information associated	14	MS. CONNERY: So, Mr. White, I appreciate the
15	with the operation of our Hazard Category 3 facilities.	15	fact that you are out there training your staff to say
16	And if you see any evidence of that occurring, please	16	this doesn't mean that we don't have access to these
17	bring that to my attention and I will correct it.	17	facilities, but, again, the training seems to contradict
18	ACTING CHAIRMAN HAMILTON: Thank you. So, by	18	what's in the order, so I would suggest that perhaps you
19	definition, I know that the Radiological Laboratory	19	align the order with how you're going to implement, if
20	Utilities and Office Building, commonly referred to as	20	you're saying this implementation isn't going to be as
21	the RLUOB, at Los Alamos is a Hazard Category 3 or	21	benign as it seems to be.
22	below. Do we have access to the RLUOB?	22	And, Mr. Moury, what you're suggesting, if I
23	MR. WHITE: If your Resident Inspector would	23	understand it, it took a long time to get there, is that
24	like unescorted access to RLUOB, there's no reason he	24	you put forward your categorizations because that's your
25	should not have access. So if that's occurring	25	risk-based assessment as to where you're going to apply
	50		52
1	ACTING CHAIRMAN HAMILTON: So what I am taking	1	your resources. The Board can apply its resources
2	from this, then, is that the Department is not trying to	2	wherever it wants, can go into these facilities if it
3	restrict our access to Category 3 and below, and if	3	wants to, but the Department will not entertain, without
4	that's the case, I would offer for your consideration	4	significant debate, any activities that would cause the
5	that when I read this document and exemptions list, that	5	contractor to have to provide information to us that
6	along with things that are statutorily off limits to us,	6	they feel is in excess, or that the Department feels in
7	like the Naval Reactors Programs, or offsite	7	excess, or would not necessarily need to respond to
8	transportation, there's a whole eight of them here.	8	either a reporting requirement or a recommendation by
9	The safety of atomic weapons. Some of those are	9	the Board if you don't feel that it impacts the public
10	statutorily off limits to us, and I get it. But that	10	health and safety by your definition. Is that my
11	one is not, and yet it's in the same pile. So it's very	11	understanding?
12	confusing the way I read it. That's just a statement I	12	MR. MOURY: I think that's an accurate

13 wanted to make. 14 I'm going to call on Board Member Santos first and then Board Member Connery. Mr. Santos? 15 MR. SANTOS: Thank you, Acting Chairman. I'm 16

17 very confused. So I have a question. Do you consider 18 then the Board and its staff need to even follow your

- 19 risk-based construct of hazard categorization? Do you feel that that's a requirement for the Board and its 20
- 21 staff to comply with?
- 22 MR. MOURY: We established no requirements for 23 the Board. If you don't want to follow it, then you
- 24 don't have to follow it.
- 25 MR. SANTOS: So we don't even have to entertain

MR. MOURY: I think that's an accurate representation. Thank you. ACTING CHAIRMAN HAMILTON: Mr. Santos? MR. SANTOS: Thank you, acting Chairman. I have a question for Mr. Roscetti. If you can pull out some of the examples that you were -- thank you. Exhibit 6. In your view, were any of these examples, the difficulty arose due to the DOE's view that none of these issues impacted public health or

- safety or that they were associated with some other type of hazard categorization? Can you explain some more
- details of the rationale provided by DOE for providing
- 23 24 the difficulty in accessing the information?

MR. ROSCETTI: So let me repeat the question so

13 (Pages 49 to 52)

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# Defense Nuclear Facilities Safety Board

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1	I understand it to be able to answer it.	1	annual reporting requirement to the Board that we will
2	MR. SANTOS: Yes. Um-hmm.	2	continue to fulfill in the area of criticality safety.
3	MR. ROSCETTI: So you're asking with these four	3	So that information will still be provided to the Board.
4	examples in Exhibit 6, if any of them are related to	4	I am not aware of the other facilities that are
5	DOE's hazard categorization of the facilities?	5	Category 2 without the safety controls, and I would have
6	MR. SANTOS: That's one, or their view that any	6	to take that as a lookup and provide that to the record.
7	of the issues underlying them did not impact public	7	ACTING CHAIRMAN HAMILTON: Thank you, Mr. Moury.
8	does not impact public health and safety.	8	The Chair recognizes Board Member Connery.
9	MR. ROSCETTI: Okay. So let me start with the	9	MS. CONNERY: So, I apologize, this is going to
10	bottom bullet regarding the technical basis documents.	10	have a little bit of a lengthy introduction, but that's
11	My understanding is the reason that we had trouble	11	mostly for the public edification. The order defines
12	accessing that information was because it was	12	those facilities that impact public health and safety,
13	pre-decisional and deliberative.	13	as we have just been discussing, based on the Exemption
14	MR. SANTOS: Okay.	14	3 and the definitions in the order, those facilities
15	MR. ROSCETTI: The third bullet, deliberations	15	would need to impact individuals beyond the site
16	regarding the nuclear explosive safety studies at Pantex	16	boundary for them to be relevant; two, have Special
17	was also, again, deliberative. With respect to the	17	Nuclear Material as defined in the order, which notably
18	second bullet and the first bullet, I don't know the	18	does not include Tritium; and three, new Safety-Class
19	specifics of those document requests, so I will have to	19	Controls, as we just discussed.
20	take the question for the record as to whether or not	20	While I do not subscribe to the Department's
21	those two difficulties accessing information were related to the Department's view regarding the effect or	21	definition of and limits to the Board's statutory
22 23	impact on workers versus public health and safety.	22	authority in these areas, I would like to discuss the
23 24	MR. SANTOS: Thank you. If you could take it	23 24	attempt to separate public safety from worker safety. Safety is an integrated system relying on layers of
24	for the record, I appreciate that, because one of the	24	engineered and administrative controls and practices.
	for the record, r appreciate that, because one of the	25	engineered and administrative condois and practices.
	54		56
1	things I'm trying to understand is whether without	1	These layers of defense often fail in isolated ways,
2	debate the Department is simply expressing their view	2	evidenced through low-level events that may impact only
3	that it doesn't impact public health and safety without	3	the workers prior to a series of failures which could
4	the Board's view of whether it does or not. So, okay.	4	ultimately lead to a release of offsite to the public.
5	ACTING CHAIRMAN HAMILTON: Mr. Moury, to kind of	5	To illustrate, I would introduce Exhibit 7 and
6	finish up on this line of inquiry, the order contains	6	13 to the proceedings. This is the Board Technical
7	further exemptions and definitions for Hazard Category 1	7	Report 20, which Mr. Moury referenced earlier,
8	and 2 facilities that do not contain Safety-Class	8	Protection of Collocated Workers At the Department of
9	Controls. Is it the intent of the order to in any way	9	Energy's Defense Nuclear Facilities and Sites issued in
10	restrict the Board's access to only facilities with	10	1999, which lays out the case for the interdependence of
11	Safety-Class Controls?	11	controls and systems to ensure safety. Catching and
12	MR. MOURY: No. I think are you are you	12	correcting failures at the lowest levels can predict and
13 14	trying to get at the idea of restrictions for criticality safety? Is that your concern?	13 14	prevent larger scale problems that could lead to public release and provide the most effective protection of the
14	ACTING CHAIRMAN HAMILTON: To some degree, yes.	15	public.
16	MR. MOURY: To a large extent.	16	If I cannot evaluate all the layers of
17	ACTING CHAIRMAN HAMILTON: There's other	17	Defense-in-Depth to understand where potential
18	examples, but you can use that one.	18	weaknesses exist, I cannot make a determination of
19	MR. MOURY: Well, let me begin with criticality	19	adequate protection for the public.
20	safety. I think we recognize that, one, ensuring	20	Mr. Moury, do you agree that deficiencies
20	appropriate oversight of criticality safety is	21	identified in a Non-Safety-Class Control could have
22	important. It's a special, unique area, it provides us	22	potential implications for Safety-Class Controls either
23	with you know, provides the public with a certain	23	at the same facility or at another facility on-site?
24	degree of understanding and comfort that we are	24	MR. MOURY: Could you repeat that last your
25	providing an adequate level of protection. We have an	25	last, please.
	-		

14 (Pages 53 to 56)

### Defense Nuclear Facilities Safety Board

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1	MS. CONNERY: Do you agree that deficiencies	1	our Haz Cat 2 facilities.
2	identified in a Non-Safety-Class Control could have	2	MS. CONNERY: And like I said, I appreciate the
3	potential implications for Safety-Class Controls either	3	fact that you want to implement that way, but my
4	at the same facility or at another facility on-site?	4	challenge is that that's not what the order says, and
5	MR. MOURY: Well, if we are talking about	5	when you go away and your successor comes along, and
6	workers and their response to an accident situation	6	they read verbatim what's in the order, then we will
7	where they are relied on to ensure adequate protection	7	have a challenge going forward, and the next Board or
8	of public health and safety, then yes, that definitely	8	successive boards will not be able to have access to
9	would apply, and I think the Board is fully entitled to	9	that information and we could be facing a big challenge
10	look at those controls that are necessary to be in place	10	at the facilities.
11	to ensure that protection.	11	MR. WHITE: I mean, I don't read the order that
12	If you're asking can those controls have impact	12	way, but I understand your point.
13	on adjacent facilities, that, again, is where we are	13	MS. CONNERY: So my last question is for
14	talking about public health and safety versus collocated	14	Mr. Roscetti. Can you discuss the potential
15	and worker safety, and the Board's or the	15	implications of restricting the Board's oversight rule
16	Department's position right now is that we have many,	16	based on the exemptions and definitions as written in
17	many controls, many, many programs in place that ensure	17	the order?
18 19	that protection of our own employees, and as the Deputy	18	MR. ROSCETTI: So as you've said, safety is an
20	Secretary mentioned in his comments, the buck stops with us on protection of those employees.	19 20	integrated system, and the adequate protection of the
20	MS. CONNERY: Mr. White?	20	public relies on Defense-in-Depth in layers. To help answer your question, I request Exhibit 8 be entered
21	MR. WHITE: So the direction I gave our folks	21	into the record.
23	which is really clear, which is we will continue to	22	This exhibit represents the staff's analysis of
23	support Board staff reviews and assessments at all of	23	candidate defense nuclear facilities across the complex,
25	our Hazard Category 2 facilities with no distinction on	25	broken down by potential restrictions in the Interface
20			
	58		60
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1	whether we're talking about Safety-Class or Safety-	1	Order. Reading the words in the order, the Board's
2	whether we're talking about Safety-Class or Safety- Significant Controls.	2	Order. Reading the words in the order, the Board's access could be limited to just those facilities with
2 3	whether we're talking about Safety-Class or Safety- Significant Controls. In terms of the advice and recommendations you	2 3	Order. Reading the words in the order, the Board's access could be limited to just those facilities with Safety-Class Controls, as indicated by the red arrow on
2 3 4	whether we're talking about Safety-Class or Safety- Significant Controls. In terms of the advice and recommendations you guys provide, as we always have, we'll take into	2 3 4	Order. Reading the words in the order, the Board's access could be limited to just those facilities with Safety-Class Controls, as indicated by the red arrow on the slide, representing a 71 percent reduction in the
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	whether we're talking about Safety-Class or Safety- Significant Controls. In terms of the advice and recommendations you guys provide, as we always have, we'll take into account, you know, larger questions of risk management and we'll discuss those with you, but there's no expected change from our perspective in terms of how we respond to those. I mean, there would always be questions of timing, there was recently question of timing of review at Pantex, but those have nothing to do with this order or your statutory responsibilities, those only had to do with our availability of resources. MS. CONNERY: So just to be clear, I wasn't only speaking about a worker that performs a function that a safety that a Non-Safety Class Control affecting that worker could then implicate a Safety-Class Control, I was talking about more of an integrated safety management system in which an erosion of capabilities in a larger facility or the facilities themselves becoming degraded could be lead indicators for something happening at the facilities that would have impacted public health and safety.	$\begin{array}{c} 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 16\\ 17\\ 18\\ 19\\ 20\\ 21\\ 22\\ 23\\ \end{array}$	Order. Reading the words in the order, the Board's access could be limited to just those facilities with Safety-Class Controls, as indicated by the red arrow on the slide, representing a 71 percent reduction in the number of candidate facilities. Next I request Exhibit 9 be entered into the record. It further illustrates the impacts of the order's restrictions by site. Specifically, the green bars represent the total number of candidate defense nuclear facilities at a given site. The red bars represent only Hazard Category 1 and 2 nuclear facilities with Safety-Class Controls. You can see a large drop in the number of facilities at most sites. Notably, the Waste Isolation Pilot Plant does not have any Safety-Class Controls, therefore the Department would prevent could prevent the Board oversight at the Waste Isolation Pilot Plant. Again, I reiterate what you said, safety is an integrated system, and the adequate protection of the public relies on Defense-in-Depth in layers. Limiting the Board's access to just those facilities with Safety-Class Controls would prevent the Board and the Board's staff from evaluating those layers.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	<ul> <li>whether we're talking about Safety-Class or Safety-Significant Controls.</li> <li>In terms of the advice and recommendations you guys provide, as we always have, we'll take into account, you know, larger questions of risk management and we'll discuss those with you, but there's no expected change from our perspective in terms of how we respond to those.</li> <li>I mean, there would always be questions of timing, there was recently question of timing of review at Pantex, but those have nothing to do with this order or your statutory responsibilities, those only had to do with our availability of resources.</li> <li>MS. CONNERY: So just to be clear, I wasn't only speaking about a worker that performs a function that a safety that a Non-Safety Class Control affecting that worker could then implicate a Safety-Class Control, I was talking about more of an integrated safety management system in which an erosion of capabilities in a larger facility or the facilities themselves becoming degraded could be lead indicators for something happening at the facilities that would have impacted</li> </ul>	$\begin{array}{c} 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 16\\ 17\\ 18\\ 19\\ 20\\ 21\\ 22\\ \end{array}$	Order. Reading the words in the order, the Board's access could be limited to just those facilities with Safety-Class Controls, as indicated by the red arrow on the slide, representing a 71 percent reduction in the number of candidate facilities. Next I request Exhibit 9 be entered into the record. It further illustrates the impacts of the order's restrictions by site. Specifically, the green bars represent the total number of candidate defense nuclear facilities at a given site. The red bars represent only Hazard Category 1 and 2 nuclear facilities with Safety-Class Controls. You can see a large drop in the number of facilities at most sites. Notably, the Waste Isolation Pilot Plant does not have any Safety-Class Controls, therefore the Department would prevent could prevent the Board oversight at the Waste Isolation Pilot Plant. Again, I reiterate what you said, safety is an integrated system, and the adequate protection of the public relies on Defense-in-Depth in layers. Limiting the Board's access to just those facilities with Safety-Class Controls would prevent the Board and the

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### Defense Nuclear Facilities Safety Board

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	61		63
1	won't necessarily limit our access, but they will limit	1	advisory correspondence to the Department in areas that
2	their response, and our effectiveness is only as good as	2	focus on safety of workers, such as criticality and
3	the Department's response to our advice.	3	safety of radiological protection, work planning and
4	ACTING CHAIRMAN HAMILTON: For this line of	4	control, conduct of operations, and Tritium activities.
5	inquiry, the Board recognizes Board Member Santos. Or	5	The Department emphasized the word "public" in its
6	the Chairman recognizes Board Member Santos.	6	order, to make it explicit that the Department does not
7	MR. SANTOS: Thank you, Acting Chairman.	7	view the role of the worker in ensuring nuclear safety
8	I just want to follow up on the last point by	8	as an essential component of how the Department protects
9	Ms. Connery, and I'm a little bit confused. If I pay	9	public health and safety.
10	attention to the answers provided by Mr. White to	10	So I would like to start with Mr. Roscetti. Can
11	Ms. Connery, you kept referring to Hazard Category 2,	11	you summarize for us the Board's correspondence in
12	but in the previous discussions, we were discussing	12	recent years identifying safety issues and any actions
13	that, now we will pretty much have access and	13	taken by DOE in areas that may now be exempted by this
14	information to all defense nuclear facilities. So are	14	order as it relates to worker safety.
15	you trying to limit it to Hazard Category 2, or not?	15	MR. ROSCETTI: The Board has identified safety
16	MR. WHITE: So we intend to provide information	16	issues and sent the Department recommendations,
17	and facility access related to all of our defense	17	technical reports and other correspondence in areas that
18	nuclear facilities.	18	are now exempted by the Interface Order. I will share a
19	MR. SANTOS: Okay.	19	few examples to illustrate previously identified Board
20	MR. WHITE: In the cases where we may pushback	20	safety issues which fall into these areas. I ask that
21	would relate to in-depth staff reviews at a facility	21	Exhibit 7 be entered into the record.
22	that pull away site resources to look at a particular	22	There are at least 13 Board recommendations that
23	subject. If that subject appears to have no real	23 24	explicitly discuss worker safety. I note that in none
24 25	significance from a safety perspective, we may do the	24	of these cases did the Department's response to the recommendations challenge or otherwise question the
25	same thing we've always done with you guys which is pick	25	recommendations chancinge of otherwise question the
	62		64
1	up the phone and discuss whether that's the best use of	1	Board's statutory authority regarding worker safety.
2	our resources.	2	As an example, Recommendation 2012-1 concerned
3	MR. SANTOS: To follow up on that, you mentioned	3	Building 235-F at the Savannah River site. In one
4	in-depth resource or commitments, do you have any	4	accident scenario, the calculated unmitigated dose
5	criteria or have you communicated any criteria what	5	consequences to the collocated worker was 27,000 rem
6	would constitute a threshold for when you feel that the	6	Total Effective Dose. For perspective, the Department's
7	staff request exceeds that threshold and therefore there	7	directives generally require safety controls for
8	should be pushback?	8	potential worker exposures in excess of 100 rem Total
9	MR. WHITE: No, we've never needed such	9	Effective Dose.
10	thresholds in the past and I think we've worked just	10	At the time the Board sent the Department
11	fine working through all of the issues we've had in the	11	Recommendation 2012-1, the worker population near
12 13	past and I see that continuing.	12 13	Building 235-F routinely numbered more than a thousand.
13	MR. SANTOS: So right now there's no guidance. Okay. Thank you.	13	In response to the Board's Recommendation 2012-1, the Department developed an implementation plan which
15	ACTING CHAIRMAN HAMILTON: Thank you,	15	addressed safety issues and improved worker safety.
16	Mr. Santos.	16	Next I ask that Exhibit 8 be entered into the
17	The Board recognizes or the Chairman recognizes	17	record. This slide represents letters sent by the Board
18	Ms. Roberson.	18	over the last five years that include worker safety
19	MS. ROBERSON: Thank you, Mr. Chairman.	19	issues. Most recently in a letter dated June 4th, 2018,
20	I didn't choose to raise my hand, but I will say	20	the Board noted the high mitigated radiological
21	to you the reason we're asking questions is because we	21	consequences to workers for a number of accident
22	do see impact, and I think it's important to know we're	22	scenarios at the Savannah River site's treating
23	just not looking at the words, we're assessing what	23	facilities. Several of these accident scenarios had
24	we're actually seeing in the data we're gathering.	24	calculated dose consequences in the thousands of rem
25	The Board has provided recommendations and other	25	Total Effective Dose to the collocated worker

25 The Board has provided recommendations and other

16 (Pages 61 to 64)

Total Effective Dose to the collocated worker.

### Defense Nuclear Facilities Safety Board

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1	The Board stated it was concerned that there is	1	said. The Board's the Department's position is that
2	a need to evaluate and implement additional safety	2	issues involving worker protection should not be a part
3	controls for the protection of workers. As you can see	3	of formal recommendations? For instance, we can talk
4	from the other examples on the screen, the Board has	4	about the Tritium, the draft Tritium recommendation.
5	routinely sent letters identifying safety items with	5	MR. MOURY: That's correct, and I think if you
6	regard to workers in which the Department took action to	6	recall the Secretary's response to that draft Tritium
7	correct.	7	recommendation, he annotated that the Tritium element of
8	I ask that Exhibit 9 be entered into the record.	8	that recommendation was a worker health and safety issue
9	ACTING CHAIRMAN HAMILTON: And, Mr. Roscetti,	9	and was not appropriate for the recommendation.
10	just for recollection, I think your exhibit numbers are	10	MS. ROBERSON: Well, actually, what the
11	not matching the slides. We are looking at 12 now, the	11	Department said is, in light of the limitations on the
12	last one was 11, and the first one was 10. So we can	12	Board's authority under some enabling legislation, we
13	make that correction.	13	could not speak about it. That's what the letter
14	MR. ROSCETTI: Yes, sir. So I ask that Exhibit	14	actually said. So it was the Department took the
15	12 be entered into the record. Note 21 of the total 41	15	position that it was outside of the Board's authority to
16	Board technical reports deal either in part or	16	speak on worker protection. Did I read that wrong?
17	exclusively with worker safety. As listed in Exhibit	17	MR. MOURY: No, that is my intent. You're more
18	12, two clear examples of this practice include	18	eloquent than I am, so that I think that's
19	Technical Report 20 and Technical Report 29.	19	appropriate.
20	Next I ask that Exhibits 1, 2 and 3 be entered	20	MS. ROBERSON: So is it the has the
21	into the record. These exhibits illustrate the	21	Department concluded that the Board must be silent on
22	importance of workers in implementing administrative	22	issues impacting worker health and safety?
23	safety controls.	23	MR. MOURY: No, as I said before, if you have
24	In closing, I note that the Interface Order	24	issues relating to worker health and safety, communicate
25	potentially limits the Board's access regarding all of	25	them. Communicate them to the Department. Are you
	66		68

4 1 11 1	1	investment of the state of the
1		implying that the only vehicle for communicating those
		issues is through a formal Board recommendation to the
		Secretary? You have other you have other tools
		available to you to communicate issues to the
from transmitting correspondence or reports to the	5	Department.
Department or to Congress on issues that impact workers?	6	MS. ROBERSON: But we decide what tools we use
MR. MOURY: No. It is not. The Board the	7	to communicate.
Board or the Department welcomes any issues that the	8	MR. MOURY: Correct. Correct.
Defense Board has relative to worker protection. If you	9	MS. ROBERSON: So what I'm misunderstanding or
see issues that are a part of your reviews as you're	10	just not quite getting, what is the difference? I'm
going about your review, and you want to provide those	11	really to understand what is the difference.
to the Department, we welcome those. We want to know	12	MR. MOURY: The difference between a letter that
about issues that are going on in our facilities.	13	is provided to us and we are to evaluate those issues
You have talented staff that are out in the	14	and take action as appropriate, as compared to the
facilities, you have resident inspectors that are there	15	formal process of a recommendation are quite significant
all the time, we need to know the information and the	16	in terms of resources that the Department applies to it,
things that they are seeing. The only position that we	17	the administrative resources and the people that are
are taking is relative to the formal board	18	applied to it.
recommendation process, and whether or not a worker	19	MS. ROBERSON: So let me just be clear. If the
	20	Board is evaluating let's just say adequate
1	21	protection of the public, which is exactly what we said
	22	in that draft recommendation, because of the vehicle the
	23	Department will not accept it?
	-	MR. MOURY: Well, define "accept."
-		MS. ROBERSON: Well, we talked about an example
His. Replicert. The confused about what you just		inst ite BErtes of the in, we taked about an example
	MR. MOURY: No. It is not. The Board the Board or the Department welcomes any issues that the Defense Board has relative to worker protection. If you see issues that are a part of your reviews as you're going about your review, and you want to provide those to the Department, we welcome those. We want to know about issues that are going on in our facilities. You have talented staff that are out in the facilities, you have resident inspectors that are there all the time, we need to know the information and the things that they are seeing. The only position that we	MS. ROBERSON: Thank you, Mr. Roscetti. So, Mr. Moury, is it the Department's position2in its order that the Board is prohibited by statute3from transmitting correspondence or reports to the5Department or to Congress on issues that impact workers?6MR. MOURY: No. It is not. The Board the7Board or the Department welcomes any issues that the8Defense Board has relative to worker protection. If you9see issues that are a part of your reviews as you're10going about your review, and you want to provide those11to the Department, we welcome those. We want to know12about issues that are going on in our facilities.13You have talented staff that are out in the facilities, you have resident inspectors that are there all the time, we need to know the information and the things that they are seeing. The only position that we are taking is relative to the formal board recommendation process, and whether or not a worker protection should be an element of that recommendation process. And the Department's current position is that worker protection is not a part of that; however, those issues should be communicated one way or another, either to the on-site personnel, to the Secretary, to whoever.24

17 (Pages 65 to 68)

Defense Nuclear Facilities Safety Board

Public Hearing

8/28/2018

	69		71
1	earlier. Reject.	1	does tie directly to public health and safety. And so
2	MR. MOURY: When you say we will not accept, we	2	if your recommendation had made that connection, I mean,
3	will not accept the	3	that's a different thing than about being simply about
4	MS. ROBERSON: The information.	4	the protection of the worker.
5	MR. MOURY: No, we will accept the information,	5	MS. ROBERSON: So can I quote for you the
6	and we will evaluate it based on its merits. All I am	6	Board's draft recommendation. Page 1, "Recommendation
7	saying is that it will not be handled through the formal	7	2018.1 identifies the need to address deficiencies and
8	recommendation process.	8	the safety basis for facilities at the Savannah River
9	MS. ROBERSON: And that is why? Tell me again?	9	Site related to atmospheric dispersion modeling,
10	I'm missing that.	10	methodology and implement safety measures, as needed, to
11	MR. MOURY: Because the formal recommendation	11	provide adequate protection of the public, including
12	process from the Board's perspective is dealing with	12	(collocated workers and workers with responsibilities
13	public health and safety, not worker health and safety.	13	for ensuring adequate protection of the public)."
14	MS. ROBERSON: Well, the Board's perspective is	14	We thought we did make that connection.
15	that everything it does is done to ensure adequate	15	MR. MOURY: Okay. All right.
16	protection of the problem.	16	MS. ROBERSON: That's what I was saying.
17	MR. MOURY: Well, clearly the Tritium example	17	ACTING CHAIRMAN HAMILTON: Ms. Roberson,
18	that you referenced was not a public health and safety	18	Mr. Santos has a clarifying question, very briefly,
19	issue.	19	please.
20	MS. ROBERSON: So let me go to Mr. White, who is	20	MR. SANTOS: If you allow me.
21	itching to speak anyway. Let me ask my question and you	21	MS. ROBERSON: Yes.
22	can say whatever you want. Does NNSA rely on worker	22	MR. SANTOS: Okay. So if we take the example
23	actions, qualifications, reliability, presence, to	23	of if you can put out the recommendations of the
24	execute protective actions to ensure protection of the	24	worker safety, Mr. Roscetti. What exhibit was that?
25	public at your facilities? Any of your facilities?	25	Say we take the second bullet, Recommendation
	70		72
1	70 MR. WHITE: Yeah, we have any number of	1	72 2012, Savannah River Site, Building 235-F, which was
2	MR. WHITE: Yeah, we have any number of facilities where the workers are a very important part	2	2012, Savannah River Site, Building 235-F, which was actually, you know, approved, sent and responded by the
2 3	MR. WHITE: Yeah, we have any number of facilities where the workers are a very important part of our safety management programs.	2 3	2012, Savannah River Site, Building 235-F, which was actually, you know, approved, sent and responded by the Department of Energy, is the position that given the new
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2 3 4 5	MR. WHITE: Yeah, we have any number of facilities where the workers are a very important part of our safety management programs. MS. ROBERSON: So you rely on the worker as a part of your mosaic to ensure protective actions are in	2 3 4 5	2012, Savannah River Site, Building 235-F, which was actually, you know, approved, sent and responded by the Department of Energy, is the position that given the new construct and the new order, that recommendation would have not been accepted by the Department with an
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2 3 4 5 6 7 8	MR. WHITE: Yeah, we have any number of facilities where the workers are a very important part of our safety management programs. MS. ROBERSON: So you rely on the worker as a part of your mosaic to ensure protective actions are in place and are taken to protect the public? MR. WHITE: That's correct. MS. ROBERSON: So why would the Board not	2 3 4 5 6 7 8	2012, Savannah River Site, Building 235-F, which was actually, you know, approved, sent and responded by the Department of Energy, is the position that given the new construct and the new order, that recommendation would have not been accepted by the Department with an implementation plan developed? MR. WHITE: Certainly the 2010-1 relates to public protection as well as protection of the worker,
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	15
1	that there is a growing use of administrative controls,
2	i.e., worker actions, and in some cases, to my dislike,
3	more reliance on administrative programs, not just
4	discrete actions, but programs which are executed by the
5	workforce.
6	So all passive engineer features, which we all
7	know if we had passive engineer features would be a
8	different we might have a different view, but we
9	don't. That's not what we have to deal with, the
10	infrastructure we have. So why is the Department's
11	interpretation that the health and safety of the workers
12	should be exempt? And you can say in recommendations, I
13	don't get the difference in the vehicle, but the way
14	your order reads is, we can't look there, and that's how
15	I read your feedback to the Board on the draft
16	recommendation. Maybe I'm wrong, maybe that's not your
17	intent, but why would it be exempt?
18	MR. MOURY: You're talking about specific
19	controls. I mean, you're talking about specific admin
20	controls that are in place to ensure adequate protection
21	of public health and safety, and we have never said that
22	the Board cannot look at those controls that are put in
23	place.
24	Part of the problem we have in the Department,
25	as you know, is the aging infrastructure, and sometimes

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24 25

1	design controls or passive controls, we are not able to
2	put those in place. So the default position,
3	unfortunately, in order to complete the mission that the
4	taxpayers expect us to complete, makes us put
5	administrative controls in place. And we have a very
6	specific process for ensuring that those controls are in
7	place and maintained, and certainly they are not the
8	first priority as our hierarchy of controls articulates,
9	but they are a necessary tool that we have to use on a
10	periodic basis.
11	MS. ROBERSON: And I absolutely understand it.
12	In fact, in 2002, I don't know what exhibit it is, the
13	Board actually bought this to Department's attention,
14	which I think maybe both of you were still here. The
15	Board issued a recommendation to prod the Department
16	into creating more discipline around its use of
17	administrative controls, but we are also starting to
18	rely on administrative programs, which are not discrete
19	actions as well, too, in that venue.
20	And so we all know the infrastructure we have,
21	and I don't disagree with anything you said, but I'm
22	trying to understand, having been dealt that hand,
23	what's the deal with the Board can only communicate a
24	certain way on worker safety? That's what I'm trying to
25	understand.

1	Okay. So my last did you want to say
2	something, Mr. White?
3	MR. WHITE: No.
4	MS. ROBERSON: Okay. So my last the last
5	point I wanted to make was and we've had a great
6	conversation, and you guys have provided some
7	interpretations that are different from reading the
8	plain language of the order. And so one of the things
9	that I want to bring to your attention and just ask you
10	to confirm in this hearing is I need you to verify that
11	you that you are sure that this interpretation as it
12	relates to worker safety is not a signal to workers at
13	defense nuclear facilities to not communicate worker
14	safety concerns to the Board or staff because the
15	Department's view is that the Board has no statutory
16	authority to evaluate those.
17	MR. WHITE: So for NNSA, I specifically
18	addressed that question at the training session I gave
19	for our folks and I asked them to reinforce our
20	perspective which is that folks that want to raise
21	safety issues are free to raise them in whatever avenue
22	they think would be most appropriate and most effective
23	at getting them addressed. Certainly we hope our plant
24	and laboratory employees feel comfortable raising them
25	with their leadership; if they don't they are welcome

with their leadership; if they don't, they are welcome

1	to raise them with the Department. If for some reason
2	they don't feel comfortable raising them to the
3	Department through their own leadership, they are
4	welcome to raise those through you or your resident
5	inspectors, and we will address those as they come up.
6	But there is certainly no intention to keep folks from
7	raising safety issues that they see at our facilities.
8	We encourage that and we want that to happen.
9	MR. MOURY: I believe what Mr. White has said is
10	fully consistent with the Secretary or Deputy
11	Secretary's personal commitment to excellence in health
12	and safety, and with the Chairman's permission I will
13	submit that for the record, their commitment, but it is
14	that they are encouraged to raise any issues that they
15	may have. And as Mr. White has noted, if they are
16	uncomfortable raising those to their current management,
17	there are a broad variety of other venues, both within
18	the Department and outside the Department that they are
19	welcome to do that. And they are encouraged to do that
20	without any retaliation or fear of retribution.
21	MS. ROBERSON: I said that was the last thing I
22	was going to say, this is the last thing I was going to
23	say. I thank you for that, but I think the point I'm
24	trying to make is what you intend and what's in writing
25	sometimes don't jive. And I'm just telling you, you

Defense Nuclear Facilities Safety Board

1	really need to look at how you communicated that	1	MR. S
2	message.	2	consider that
3	MR. MOURY: And if I would just add to that, I	3	implementa
4	would appreciate it if you would write or communicate	4	administrati
5	those specific areas where you think that what we had	5	Congress?
6	communicated to you is not in compliance or not aligned	6	MR. W
7	with the order itself. We are open to your input, we	7	MR. S
8	want to make this work, as the deputy said. We believe	8	prudent for
9	this relationship is important. We are a team, so to	9	and seek inj
10	speak, but we each have our roles that we have to	10	interested st
11	fulfill.	11	MR. W
12	So if you could provide those to us, and if we	12	MR. S
13	feel it necessary to change the order, there is nothing	13	it would be
14	that precludes us from doing that.	14	that the adn
15	MS. ROBERSON: Thank you.	15	regarding th
16	ACTING CHAIRMAN HAMILTON: Mr. Santos has a	16	enabling sta
17	follow-on question and then I do. So, Mr. Santos?	17	MR. R
18	MR. SANTOS: Thank you, Mr. Chairman. And thank	18	question, si
19	you, Mr. Moury. I appreciate that willingness to remain	19	MR. S.
20	open for formal input from the Board. I want to follow	20	be prudent f
21	up on that, because listening to all of these	21	administrati
22	discussions, it is clear to me that we are having	22	regarding th
23	differing interpretations of the Board enabling statute	23	enabling sta
24	and some aspects regarding the importance of worker	24	MR. R
25	safety.	25	Board could
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And given your last statement, Mr. Moury, do you 1 2 consider that it would be prudent for the Department of 3 Energy to simply withdraw DOE Order 140.1 until this 4 administration seeks additional clarification from 5 Congress? 6 MR. MOURY: No, I don't, not until we get 7 clarification from -- I mean, if the Congress elects to 8 change the Atomic Energy Act, then we will certainly 9 comply with the Atomic Energy Act. That's our 10 interpretation. Your general counsel is involved, our general counsel is involved in interpretation of the 11 12 public versus worker safety, and I will leave it at 13 that. 14 MR. SANTOS: Do you consider that it will be prudent for the Department of Energy to withdraw the 15 order and seek input and feedback from the public and 16 other interested stakeholders, which includes the Board? 17 18 MR. MOURY: I do not, because I believe this 19 defines the responsibilities for the Department of 20 Energy's Federal contract -- Federal employees and 21 contractors. Having said that, if there is confusion on 22 the part of the Board, or areas of the order that they 23 think are not in alignment with what we have been 24 talking about, then we are looking for that formal 25 input.

1	MR. SANIOS: Thank you. Mr. White, do you
2	consider that it would be prudent for the NNSA to freeze
3	implementation of the DOE order until this
4	administration seeks additional clarification from
5	Congress?
6	MR. WHITE: No, I don't think that's necessary.
7	MR. SANTOS: Do you consider that it would be
8	prudent for NNSA to freeze implementation of this order
9	and seek input and feedback from the public and other
10	interested stakeholders?
11	MR. WHITE: I don't think it's necessary.
12	MR. SANTOS: Mr. Roscetti, do you consider that
13	it would be prudent for the Board to formally request
14	that the administration seek clarification from Congress
15	regarding the various interpretations of the Board's
16	enabling statute, and potentially Atomic Energy Act?
17	MR. ROSCETTI: Could you please repeat that
18	question, sir.
19	MR. SANTOS: Yes. Do you consider that it would
20	be prudent for the Board to formally request that the
21	administration seek clarification from Congress
22	regarding the various interpretations of the Board's
23	enabling statute and potentially the Atomic Energy Act?
24	MD DOSCETTL Sin I think it's one avanue the

MR. ROSCETTI: Sir, I think it's one avenue the Board could pursue. In my role as the technical

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1 director, I think it's up to the Board to determine what 2 it thinks its authority is, and make decisions regarding 3 the adequate protection of the public health and safety, 4 and provide that information to the Department, to the 5 Secretary of Energy in whatever vehicle the board 6 determines is necessary. 7 MR. SANTOS: Thank you for that answer. I agree 8 with that answer. 9 Mr. Moury, could you please explain the process 10 for the Board or any member of the public to formally 11 solicit changes to Order 140.1? 12 MR. MOURY: Well, 140.1 is posted on the 13 website, and on the website, there is a point of 14 contact. My office is the Office of Primary Interest, 15 and they can provide comments to the Office of Primary 16 Interest on any concerns they might have. I would like to say one thing on your previous 17 18 line of questions, if you recall, we were operating to a 19 17-year-old manual that I don't think any of you would 20 disagree is no longer compliant with the law, and it 21 does not even address the Board's new process for 22 providing recommendations to the Board, draft 23 recommendations. So we are not comfortable with having

- a document that we are following that is not in
- compliance with the law.

20 (Pages 77 to 80)

Defense Nuclear Facilities Safety Board

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	81		83
1	MR. SANTOS: I do not disagree with a lot of	1	the Board were to offer this recommendation or one like
2	what you said. When it comes to what I call	2	it today, what would be the Department's response?
3	transactional aspects, the part that is getting my	3	MR. MOURY: I would well, assuming there are
4	reaction is the changes to the role of independent	4	no public health and safety issues, and I, like
5	oversight and the different interpretations of the	5	Mr. Roscetti, would have to go back and look at it
6	Board's statute and Atomic Energy Act. Thank you.	6	again, this is the feedback we would want from the
7	ACTING CHAIRMAN HAMILTON: Ms. Connery?	7	Board. I mean, this was not an unknown issue at the
8	MS. CONNERY: Do you have a similar order for	8	site, it was being put into their risk ranking, and
9	your relationship with the General Accounting Office?	9	going to be addressed as funding allowed. But we would
10	MR. WHITE: I believe we do have an order that	10	probably have taken the exact same actions that the
11	governs our interface with the IG and the GAO from an	11	implementation directed us to, because this is an issue
12	audit perspective.	12	that the Department recognized we needed to deal with.
13	MS. CONNERY: Were they involved in the	13	All I'm saying is that there wouldn't have been
14	development of that order?	14	an implementation plan where we have made specific
15	MR. WHITE: I couldn't answer that question for	15	commitments to the Board to address.
16	you. You would have to take that for the record.	16	ACTING CHAIRMAN HAMILTON: You did make
17	MS. CONNERY: Thank you.	17	commitments here, correct?
18	ACTING CHAIRMAN HAMILTON: Continuing on in this	18	MR. MOURY: And that is part of what the Deputy
19	line of inquiry, I have one final question. Could we	19	was talking about, is aligning what the specific roles
20	put up Exhibit 10 again, please. And, Mr. Roscetti,	20	and responsibilities and ownership of the Department are
21	could you remind us again of the second Recommendation	21	relative to areas that are outside or that he considers
22	2012-1, can you tell us about that, please? Just to set	22	to be you know, where the buck stops with the
23	the table.	23	department.
24	MR. ROSCETTI: Yes, sir. So Recommendation	24	ACTING CHAIRMAN HAMILTON: Okay. I'm having a
25	2012-1 concerns Building 235-F at the Savannah River	25	lot of cognitive dissidence between what you just said
	82		84
1	Site. One of the accident scenarios had calculated	1	now and what we discussed about 10 or 15 minutes ago
2	unmitigated dose consequences to the collocated worker	2	where Ms. Roberson's line of inquiry about your saying
3	that were 27,000 rem Total Effective Dose. The	3	that we have to have other mechanisms other than a
4	Department's directives generally require safety	4	recommendation if we're talking about worker safety. So
5	controls when potential worker exposures are in excess	5	I don't need to probe it further, I'm just, I'm not
6	of 100 rem Total Effective Dose.	6	clear on what that is, but I'll that may be just my
7	And when the Board sent this recommendation	7	problem.
8	2012-1 to the Department, there were approximately a	8	I'm going to let Mr. Santos ask the final
9	thousand workers near Building 235-F, or people near	9	question here on this line of inquiry.
10	235-F.	10	MR. SANTOS: No further questions.
11	ACTING CHAIRMAN HAMILTON: Thank you. And this	11	MS. CONNERY: I just want to clarify. What
12	was long before my time on the Board, am I to understand	12	you're saying is you wouldn't have taken this

was long before my time on the Board, am I to understandthat this recommendation was all about worker safety,

- 14 collocated and worker safety, is that the total set of15 the concern?
- MR. ROSCETTI: Sir, I would have to review therecommendation to answer 100 percent affirmatively, but
- I think so, yes, sir.
   ACTING CHAIRMAN HAMILTON: But certainly would
- 20 it be fair to say that a big chunk of this
- 21 recommendation was about workers?
- MR. ROSCETTI: Yes, sir.ACTING CHAIRMAN HAMILTON:
- ACTING CHAIRMAN HAMILTON: Okay. So this is the
   same question that Mr. White was asked a minute ago, I
   want to give Mr. Moury a chance to give his response, if
- MR. SAN10S: No further questions. MS. CONNERY: I just want to clarify. What you're saying is you wouldn't have taken this recommendation, you likely would have performed the same functions, but not as an implementation plan? MR. MOURY: That's correct. MS. CONNERY: And who writes an implementation plan? MR. MOURY: Well, there is a responsible manager
- that's put in place, the responsible manager putstogether a team --

together a team --MS. CONNERY: So the Department of Energy writes the --

MR. MOURY: The Department of Energy writes an implementation plan that has to be approved by the Secretary.

21 (Pages 81 to 84)

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# Defense Nuclear Facilities Safety Board

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1	MS. CONNERY: So it's still the Department of	1	Olencz, he discusses issues dealing with the Board to
2	Energy's plan, the Board doesn't impose the	2	make sure that we are providing appropriate support.
3	implementation plan on you, you choose what to put in	3	There are no additional bureaucratic steps that
4	the implementation plan after evaluating the information	4	you're alluding to. The requests for information
5	that we give you to address the issues that we've	5	process is identical to what was in place before. We
6	raised?	6	have always asked that the Department that the
7	MR. MOURY: That is correct.	7	Defense Board deal with our Department of Energy and not
8	ACTING CHAIRMAN HAMILTON: Ms. Roberson?	8	directly with the contractors. The contractors'
9	MS. ROBERSON: Mr. Chairman, can I just add one	9	contract is with the Department, it is not with the
10	clarifying point of question, which is really apropos	10	Defense Board, so it's important for us to understand
11	since we have two former Board employees well, three,	11	exactly what is going on when they're dealing with
12	one current, two former. When we talked whether	12	Defense Board.
13	we're talking about 235-F or Tritium or anything else,	13	MR. SANTOS: Could you provide for the record
14	the Board doesn't pop out of a balloon with a	14	the list of the Federal representatives?
15	recommendation. The Board works sometimes for years	15	MR. MOURY: Yes, sir.
16	trying to encourage the action that it believes is	16	MR. SANTOS: Thank you. Will this be
17	necessary.	17	implemented consistently at all sites or will there be
18	And so I just have to say, the Board uses its	18	different processes for interfacing with the Board and
19	tools very deliberately, but we don't surprise the	19	its employees at each site?
20	Department. So if we raise issues, whether it be	20	MR. MOURY: We have a pretty extensive training
21	informally or through letters, and we see action, we	21	program, the roll-out slides are on the website, the
22	tend not to issue recommendations. We issue	22	Departmental rep website, so they are available for you
23	recommendations when we don't see that action, and that	23	to look at, and certainly I would be happy to provide
24	was the case on 235. Everybody knew about the issue,	24	those for the record if you would like those. So, yes,
25	but the Board had been the Board, not just the Board	25	and this topic is discussed, as I said, every month
	86		88
1	staff been prodding. We had hearings for several	1	during these liaison meetings.
2	years. So I just want to make that clear.	2	ACTING CHAIRMAN HAMILTON: Let's stop for a
3	ACTING CHAIRMAN HAMILTON: Thank you,	3	moment, we have some audio interference. I'm not sure
4	Ms. Roberson.	4	what that is.
5	The chair recognizes Mr. Santos.	5	(Brief pause.)
6	MR. SANTOS: Thank you, acting Chairman. It	6	ACTING CHAIRMAN HAMILTON: Go ahead. I'm sorry.
7	appears that the new order makes the process of	7	MR. MOURY: I'm sorry, I totally lost my train
8	interfacing with the Board more bureaucratic, less	8	of thought.
9	efficient, and one that could impact safety by delaying	9	MR. SANTOS: You were talking about the slides
10	the ability of the Board to provide timely information	10	being available.
11	to the Secretary of Energy. This seems contrary to the	11	MR. MOURY: Yeah, they are available to you, and
12	intent of regulatory reform activities under	12	we have had several training sessions, if I'm not
13	Presidential Executive Order 13777.	13	mistaken, all of the liaisons have been trained. And as
14	For example, in addition to limiting	14	I mentioned in my opening, my first comment was we want
15	interactions with the Board, the Department is	15	to be institutionalized and consistent as we apply these
16	introducing additional bureaucratic approval steps for	16	processes across the complex, because I think you're all
17	each specific request of information or access.	17	well aware that there are certain sites where it is more
18	Furthermore, all Board requests need to be referred to	18 19	difficult to deal with the Defense Board, and we want to
19 20	and approved by appropriate Federal departmental site	20	make sure that everybody is approaching this from the
20	liaison prior to providing a response back to the Board.	20	same perspective and with the same approach. MR. SANTOS: Thank you. Mr. Roscetti, what
21 22	Mr. Moury, has the Department taken actions to	21	impact do you see from any changes in practice as
22 23	ensure that every site has a Federal representative that will respond in a timely manner to information requests?	22	particularly for the resident inspectors that need ready
23 24	will respond in a timely manner to information requests? MR. MOURY: Yes. We have site liaisons at each	23	access?
24	of the sites. There are monthly mostings with Mr. Los	24	MP ROSCETTL: Sir I see notential for two

of the sites. There are monthly meetings with Mr. Joe 25 MR. ROSCETTI: Sir, I see potential for two

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1	significant impacts: First, I think the process could	1	approaching the Resident Inspector Program.
2	introduce unnecessary delay in providing the Board	2	MR. SANTOS: You can follow up the question,
3	information needed to perform timely analysis of matters	3	Mr. White.
4	that impact safety. In particular, the process requires	4	MR. WHITE: Yeah, I mean, I spent four years as
5	Departmental staff to be the focal point for all	5	a resident inspector for the Board at Pantex, so I have
6	information requests. Previously site contractors were	6	first-hand knowledge of what it takes to do that job.
7	expected to respond to requests while keeping the	7	And I communicated to our folks that, you know, we're
8	Department's field office personnel apprised.	8	continuing to give those resident inspectors ready
9	My concern is exacerbated by the fact that many	9	access to facilities, to people, to the plant, to the
10	of the Departmental site liaisons are senior Federal	10	meetings, all of the things that they would have had
11	officials that are already facing constraints on their	11	access to in that regard previously.
12	time prior to trying to fulfill this administrative	12	The request that we move document requests
13	burden. For example, at the Los Alamos National	13	through a Departmental liaison is no different than what
14	Laboratory, the senior nuclear safety advisor serves in	14	I did when I was at Pantex. All of my document requests
15	this role.	15	got copied to I think the gentleman's name was Mike
16	Second, I think this language could impede the	16	Reaka, who was a POC for the site office. And I did
17	ability of our resident inspectors to meet directly with	17	that in part to make myself more effective, because
18	Department and contractor staff. I believe our resident	18	having the Department aware of what I was looking at and
19	inspectors require direct ready access to facilities and	19	what I was interested in actually helped ensure that if
20	personnel to inform their safety assessments, and	20	I ran across issues, that I could be more effective at
21	ultimately, the Board.	21	getting those addressed.
22	MR. SANTOS: Thank you. I agree that ready	22	MR. SANTOS: Thank you. Mr. Moury, earlier you
23	access is extremely important for the resident	23	mentioned, and I agree, that you mentioned that the DOE
24	inspectors, given their unique function as the eyes and	24	order applies to the DOE elements. It's an order for
25	ears of the Board in providing direct oversight. Their	25	DOE elements, and it doesn't impose doesn't appear to
	90		92
1	functions are clearly different from the functions	1	impose any restriction on the Board or its staff, but
2	performed by the rest of the Board staff; however, the	2	we're having that type of discussion right now.
3	desk reference for the new order doesn't recognize this	3	When will the and since one order DOE
4	when it states, and I quote, "In all cases, the resident	4	order was issued, you know, no formal input has been
5	inspectors are the same as any other member of the	5	provided, you know, by the Board yet, but I would like
-	inspectere are the burne as any other memoer of the		provident, journal of the Bourd Joy out 1 would like

nal input has been et, but I would like to know when will the Department formally communicate to Defense Nuclear Facilities Safety Board and the same 6 7 protocols for requests for information and meetings the Board any new procedures, processes and requirements 8 shall apply." that the Department will apply to Board personnel, 9 Mr. Moury, what is the Department's including resident inspectors, headquarters personnel interpretation of the responsibility of the various DOE 10 and even Board members, for us to carry out our elements to provide ready access to the Board resident 11 independent oversight work at the defense nuclear 12 facilities which you own? All we have is the order. inspectors? 13 MR. MOURY: Yeah. If I understand your question MR. MOURY: Well, I think the reading of that statement is true. The resident inspectors are members 14 correctly, I don't anticipate us communicating to the Board on changes that are going to occur on how we deal of the Board staff. It just so happens that they have 15 with our resident inspectors. If that were to occur, unescorted access to the facilities, they're at the 16 facilities, they have access to the facilities' computer 17 certainly we would come and talk to the Board and discuss any changes that might be occurring, but I don't systems, the LANS, they have access to a broad plethora 18 of information. What we're asking is that they work 19 anticipate that occurring. with their liaison on how they are going about their 20 ACTING CHAIRMAN HAMILTON: Ms. Roberson? business so that we know what's going on. 21 MS. ROBERSON: Yeah, just attaching on, I But there is no -- no debate that they play a 22 appreciate what you said, but I know that you also know very critical role, not just for the Defense Board, but 23 you have thousands of soldiers out there interpreting also for the Department of Energy. And I think 24 your order themselves. So, for instance, planning of Mr. White would probably talk to you about how NNSA is 25 the days, our resident inspectors are there to have eyes

23 (Pages 89 to 92)

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1	on and ears open, and if they are not allowed access, if	
2	people consider planning of the days pre-decisional,	
3	then we don't have access.	
4	I guess what I'm asking is I understand you guys	.
5	are doing a lot of training and you're saying, well, if	
6	we find we don't have enough soldiers to go out and	
7	find all the problems, we certainly have identified	
8	some. I guess my question is, what check are you guys	
9	doing to make sure that your order is being implemented	
10	the way you intended it to?	1
11	MR. MOURY: Well, in addition to having a formal	1
12	set of training slides that goes through this, our	1
13	monthly discussions with the liaisons to go through this	1
14	to make sure that it is being implemented consistently	1
15	across the complex is our key method for doing that. As	1
16	well as, let me just add, also, as well as Mr. White	1
17	providing additional training to all of the facility	1
18	managers, and I know that EM and Science have done the	1
19	same thing.	1
20	MR. WHITE: I mean, I'll just say that if you	2
21	run across examples where our implementation is not	2
22	consistent with the way I have described, then by all	2
23	means, please, have your folks bring them up to me or	2
24	myself or Mr. McConnell and we will take action to	2
25	correct that.	2

1 MS. ROBERSON: Thank you. 2 ACTING CHAIRMAN HAMILTON: The chair recognizes 3 Board Member Connery for the last line of inquiry. 4 Ms. Connery? 5 MS. CONNERY: So the Secretary of Energy's responsibility under the Board's enabling legislation 6 7 limits the ability of the Secretary to deny access to 8 information to any person who "has not been granted an 9 appropriate security clearance or access authorization 10 by the Secretary of Energy, or does not need such access 11 in connection with the duties of such a person." 12 This contrasts with the interface order which 13 allows the Department to deny requests related to 14 deliberative documents, pre-decisional documents or 15 deliberative meetings. 16 Mr. Roscetti, can you give us some concrete 17 examples of where limits on access to information could 18 impede the Board's ability to identify safety issues, 19 including specific impacts on resident inspectors? 20 MR. ROSCETTI: Yes, ma'am. I'll provide three 21 examples where these limits might impede the Board's 22 oversight. Foremost is the emergency response. By the 23 very nature of an emergency information flow is highly 24 dynamic, and often insufficiently vetted such that the 25 Department could conceivably consider it pre-decisional,

1	the Board could be forced to wait for such information
2	which would preclude timely Board recommendations and
3	advice on the matter.
4	Second, its safety basis documentation. I
5	understand that some sites have already started to treat
6	the management and operating contractor's submitted
7	safety basis documents as pre-decisional. To be clear,
8	these documents are formally approved by contractor
9	management and have been submitted to the Department for
10	approval. Historically, this is the point at which the
11	Board's staff has most effectively reviewed documents
12	such that issues can be raised during the course of the
13	Department's review, and any safety concerns resolved
14	promptly. This approach avoids significant delay in
15	resolving a safety concern and the potential rework
16	associated with raising issues with fully approved and
17	implemented safety controls.
18	Third, the access to information language may
19	impact the Board staff's ability to monitor the
20	adherence to the Department and its contractors'
21	processes and procedures. Often steps involved in
22	following a process occur in forums that could be
23	constructed as deliberative. If the Board's staff is
24	denied access to these meetings, we will be left to
25	assess process adherence simply by the overall outcome.

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1	As such, we will be unable to provide the Board
2	assurance that the Department and its contractors are
3	operating in a manner consistent with procedures and
4	best practices. As an example, DOE contractors
5	typically hold some type of fact-finding discussion to
6	learn from and improve after the occurrence of an
7	abnormal event. The Board's resident inspectors observe
8	these discussions and are able to provide an assessment
9	of the thoroughness and conduct of the fact-finding
10	meeting, including whether the contractor adhered to its
11	own process requirements.
12	If the resident inspectors are denied access to
13	these fact-finding meetings, the resident inspectors
14	will be left to assess the event solely from the final
15	report and corrective actions.
16	MS. CONNERY: Thank you, Mr. Roscetti.
17	So I'd make two points. You've been very
18	vociferous about the fact that this order is about roles
19	and responsibilities, and that it is the role of the
20	Department to operate the facilities in the defense
21	nuclear facilities, as well as play the role as a
22	regulator.
23	The Board's role is oversight. We are to advise
24	the Secretary in his role in assuring adequate
25	protection, which means that it's our job to make sure

24 (Pages 93 to 96)

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1	that the Department of Energy is regulating its	1	time. And
2	contractors as it should to meet those requirements. In	2	one-off ba
3	order to do that, we have to have access to these	3	work, with
4	meetings, and this information, prior to decisions being	4	manageme
5	made.	5	So th
6	Additionally, I would submit that if you're	6	under the
7	making decisions that are and you're asking for	7	exist from
8	advice after the fact, then those are by definition	8	see that as
9	uninformed decisions, because it would be better if we	9	MS. 0
10	gave you the information ahead of time.	10	in particul
11	In particular, the Congress has weighed in on	11	you have s
12	this in terms of design and construction, and has asked	12	with regar
13	us to provide information early and often so that you	13	often case
14	don't have to go through expensive design changes, but	14	order to re
15	you can take our advice early in the process.	15	make prud
16	So given Mr. Roscetti's testimony, Mr. White,	16	as possible
17	can you discuss whether his interpretation of the order	17	you are ma
18	is consistent with NNSA's intended implementation	18	our advice
19	relative to pre-decisional and deliberative information?	19	own with
20	MR. WHITE: Sure. And I don't think it is.	20	that are tal
21	So and I addressed at least parts of what he	21	MR.
22	discussed very specifically with all of our sites to	22	timing, no
23	make sure that we had a fairly uniform set of	23	access. I t
24	expectations with regard to how we implement this.	24	for our fol
25	So on the safety basis documents, for example,	25	documents

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the point at which one of our plants or laboratories has 1 1 2 submitted a complete work product as a deliverable to 2 3 the Government, I would agree that that is something 3 that we should share with you. And that is what all of 4 4 5 5 our sites have been directed to do. So the point at which our plant or laboratory believes that it's good 6 6 7 7 enough for the Government to approve, then it is a good 8 enough definitive product for you to begin to review. 8 9 9 The thing that I have suggested that they should 10 work with you on is the best timing to support an 10 in-depth staff review of that document. I think from 11 11 12 our perspective, we would like to give our Federal folks 12 13 13 in our site offices or on our safety basis review teams 14 sufficient time to review the document themselves and 14 develop a Department position relative to the quality of 15 15 that input before we engage with you. But we will 16 16 17 17 engage with you before we actually implement the 18 document. 18 19 So that was sort of the high-level perspective I 19 20 gave our folks relative to safety basis documents. 20 21 On the question of deliberative meetings, I 21 22 mean, that's one of the ones that it's a little bit of a 22 23 23 gray space, and we may need to talk about those as they 24 come up. I mean, certainly, again, when I was a 24 25 25 resident inspector at Pantex, these came up from time to

time. And we addressed those as they came up on a one-off basis, myself first locally, and if that didn't work, with the Board's management and the Department's management up here in Washington.

So that existed, that sort of discussion existed under the previous order, and I expect it to continue to exist from time to time under the new order. I don't see that as a particular difference.

MS. CONNERY: On the safety basis conversation in particular, I know that you have espoused to us that you have seen challenges with your Federal capabilities with regards to looking at safety basis documents and often cases have to borrow staff from other locations in order to review safety basis documents, so wouldn't it make prudent sense to have the Board involved as early as possible to provide our independent expertise, and if you are managing your staff, then they could either take our advice or leave it and make the decisions on their own without relying or blaming the Board for decisions that are taken.

MR. WHITE: Well, so look at this in terms of timing, not in terms of whether we eventually give you access. I think it is important for a couple of reasons for our folks to have some space to look at those documents and to decide what we think of them. One, it

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actually helps you with evaluating the quality of our evaluation process. By sort of intervening early in the process, you kind of disturb the reality associated with what the Department would or would not have found in regards to those documents. And so to some extent, this helps both me and

you with understanding whether our process is actually working effectively on the Federal side to let us take that time to do that internally first so that you get a sense of how well we do it. And two, that we have some deliberative space to operate in before we bring those issues up to you.

The other thing I'll point out in the case of the deliberative stuff, it's not just about access and whether it's the right time for you guys to see it. There are some cases where having outside observers actually sort of suppresses the kind of things we want to come up in those meetings.

There are a number of folks that are involved in these things that we want to bring up potential issues, and on occasion they may be very reluctant to do that with outside observers in the room. And so we want to protect that space for them to be able to bring up those types of issues. And when we work with these on a case-by-case basis, I'm happy to talk to you about why

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1	that would be in a particular case.	1	about that as soon as possible.
2	MS. CONNERY: Thank you, I appreciate the	2	MR. SANTOS: Thank you. The issue comes we
3	response.	3	want to do completed independent oversight work. We
4	Mr. Moury, what is the Department's definition	4	don't want to be necessarily throwing out
5	of deliberative documents, pre-decisional documents, or	5	vulnerabilities that haven't been fully vetted, and
6	deliberative meetings? Because we haven't seen an	6	that's where we get into this issue of information. At
7	actual definition.	7	what point do we have enough of an analysis that can
8	MR. MOURY: I believe those are exactly what	8	support the conclusions or not. And we don't want to
9	Mr. White was talking about as far as having the ability	9	start sending communications on potential
10	to go through and make a deliberative decision on what	10	vulnerabilities that if we would have had access to the
11	our final conclusion is on I say final, but what our	11	information it turned out to be an, oh, never mind, as
12	action is on those documents or information prior to	12	opposed to it's a real issue. Do you understand what
13	providing that to the Board for their review.	13	I'm saying?
14	MS. CONNERY: Again, I just note that the	14	MR. WHITE: Yes. And I would actually say
15	words I just note that the words in the order are a	15	that's sort of mirrored on the Department side as well,
16	little bit different than the interpretations that	16	because when we're looking at a potential change we
17	you're providing us, which seem a lot more benign than	17	might want to make, we want a chance to deliberate on
18	the actual reading of the documentation.	18	and think about that internally before we go external
19	MR. WHITE: But I think the order acknowledges	19	and try to explain it to you.
20	that we will need to look at these with you on a	20	MR. SANTOS: Perfect. I understand.
21	case-by-case basis.	21	ACTING CHAIRMAN HAMILTON: Thank you,
22	MS. CONNERY: I understand.	22	Mr. Santos.
23	ACTING CHAIRMAN HAMILTON: I believe Mr. Santos	23	Ms. Connery? I'm sorry, Ms. Roberson.
24	has a clarifying question. Mr. Santos?	24	MS. ROBERSON: Thank you, Mr. Chairman. A
25	MR. SANTOS: Thank you. I understand and	25	follow-on. I think the topic we are here discussing
	102		104
1	appreciate what Mr. White was saving and yes, we need	1	today is a great example of what we fear could happen if

today is a great example of what we fear could happen if appreciate what Mr. White was saying, and yes, we need 1 1 2 to have more dialogue in especially some of these gray 2 we're talking about hazardous analysis or safety basis areas, I understand that, but one thing I'm a little bit 3 as a site; and that is, we didn't talk about it, you 3 guys developed it, you're now telling us what you 4 concerned about is regarding discussions regarding 4 5 5 timing, because when it comes to safety vulnerabilities, intended, and what you intended is not what we're 6 timing might not be on our side, and some of these 6 seeing. And so you guys certainly have every right to 7 processes, as you know, take a long time. Approval of 7 8 make your own decisions. I've been over there, I've 8 DSAs, and all that process. And if our staff has 9 already identified a vulnerability, I hope we can find a 9 felt the same way. But this tradeoff is one you also 10 way to provide timely information to the Secretary of 10 have to make, too. Eventually, you're going to have to Energy and the public as opposed to being caught up in 11 spend the time to interface with the Board, and later 11 12 the formalities and the timing of processes or waiting 12 doesn't mean easier. That's all I'm saying. MR. WHITE: Acknowledged. And if there's a case 13 for final approvals before we can communicate what the 13 14 issues are. I just want to take that up. 14 where you think we've got the timing that is not in our 15 ACTING CHAIRMAN HAMILTON: I didn't hear a 15 mutual interest, I'm fine with that and open to 16 16 discussing that with you. question. MR. SANTOS: No, I was making a statement MS. ROBERSON: Thank you, sir. 17 17 18 following his statement regarding that the issues are 18 MR. MOURY: And I would also say that 19 timing. 19 specifically applies to design and construction 20 ACTING CHAIRMAN HAMILTON: Thank you, 20 activities, because your goal as well as ours is to 21 21 identify safety issues and identify, you know, the Mr. Santos. 22 MR. MOURY: Mr. Santos, I just want to make sure 22 necessary safety controls as early in the process as 23 that you understand that that's consistent with our 23 possible. So that's a perfect example of the time when 24 thoughts as well, and if you have an issue, if your 24 we need to talk about the appropriate time for us to get 25 Board, if the staff has an issue, we would like to hear 25 together and have these discussions.

26 (Pages 101 to 104)

### Defense Nuclear Facilities Safety Board

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1	MS. ROBERSON: Thank you.	1	we have line management oversight process, those all
2	ACTING CHAIRMAN HAMILTON: Board Member Connery	2	remain the same. So no, we are not changing our
3	has the last line of inquiry. Ms. Connery?	3	process.
4	MS. CONNERY: And just before I go into that, I	4	MS. CONNERY: Well, I appreciate that. I don't
5	would say that orders and directives are as important as	5	have the same feeling, again, seeing some of the changes
6	design and construction, because they govern how it is	6	that were made, seeing the IPT process, cutting the
7	that you're going to regulate. So our input to your	7	Board out of some of those rulemaking decisions, some of
8	staff in a timely manner helps them do their job. Just	8	the implications that we see with 830. So I just want
9	a point.	9	to make sure that you can be confident that you will be
10	So my last question is a little bit broad, and I	10	able to provide for the safety of the workers, the
11	know at one point, Mr. Moury, you said you didn't want	11	public, and the environment while you roll back some of
12	to talk about 10 CFR 830 because it's in rulemaking	12	the provisions through rulemaking and at the same time
13	right now and thus is not the subject of this, but I do	13	seek to limit the oversight role of the Board.
14	notice a trend, and that's what I want to talk about at	14	MR. MOURY: My office as the Office of
15	the moment.	15	Environment, Health, Safety and Security, is responsible
16	The Board has been a part of the Department's	16	for policy, okay? We are the advocates for policy to
17	overall safety framework for nearly 30 years. During	17	ensure that we develop effective policy that allows the
18	that time, the Board and the Department have	18	Department to complete its mission while remaining safe
19	collaborated to make a number of safety improvements to	19	and secure, and we take that very seriously.
20	defense nuclear facilities that have otherwise alluded	20	So any belief that we are rolling back our
21	the Department's internal mechanism for safety	21	position on safety and security is not true. We are not
22	oversight. You were both a part of a number of those	22	doing that. What we are doing is trying to make sure
23	improvements when you were on our side of the table.	23	that the changes that we make are effective,
24	What I'm seeing is a trend to change the way the	24	implementable and allow our line organizations to
25	Department is managing safety across the board. Not	25	complete their missions in a successful manner as
	106		108

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1	just with the Interface Order, but also with proposed
2	changes to 10 CFR 830, the Federal Rule for Nuclear
3	Safety Management, and its associated documents. I've
4	heard these approaches described as a graded approach,
5	or where you want to put more effort as a risk-based
6	approach.
7	Mr. Moury, is the Department fundamentally
8	changing its approach to safety? If so, can you
9	describe that change?
10	MR. MOURY: No, we are not changing our
11	fundamental approach to safety. You know, as I
12	mentioned, I was here for 18 years. I spent seven years
13	over at the Department. I didn't change my colors
14	instantaneously and think that it was necessary to make
15	drastic changes over in the Department of Energy in
16	their approach to the safety management. I have found a
17	group of individuals over there who are very like-minded
18	with the Board.
19	So no, there is no attempt to change our process
20	for safety management. It is a very robust process.
21	Much more robust than when I first began here at the
22	Defense Board. So we continue to provide that, you
23	know, consistent with our or it consists of
24	directives and it consists of rules that are
25	enforceable. We have the independent oversight process,

her view since she also occupied both spaces, both here for a decade and at the Department for more than a decade. MS. ROBERSON: Should I go over there? Thank you, Ms. Connery. I'll be very brief, and what I will say to you is my -- I expect to make a closing statement, and I will go toward that. The one thing I would say is I am always reminded that the Department is the line manager and they're responsible for executing programs. And the Congress is very clear that the Board's primary function is to make sure that they do not become complacent in the execution of safety. And I think with some of these changes, it's very important for the Board to keep that at the forefront as it evaluates its view on the number of changes that are being executed today in the arena of nuclear safety. ACTING CHAIRMAN HAMILTON: Mr. Santos? MR. SANTOS: I just want to add that at the end of the day, I just hope we have a transparent and continued dialogue, and similarly, that there's

required by our taxpayers and that's how we are being

still being safe and secure.

held accountable, as the Deputy Secretary mentioned, but

MS. CONNERY: I would like to ask Ms. Roberson

27 (Pages 105 to 108)

Defense Nuclear Facilities Safety Board

**Public Hearing** 

### 8/28/2018

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109 1 differences in interpretations of enabling statutes, I 1 subject of this public hearing. The Board members may 2 see there will be also difference in interpretation of 2 question anyone providing comments to the extent deemed 3 3 whether or not significant changes are happening to the appropriate. 4 long-standing approach to nuclear safety, and I look 4 The first speaker this afternoon is a former 5 forward to those processes to provide my own views and 5 Board member, the Honorable Jack Crawford. comment at the appropriate time. 6 6 Mr. Crawford? 7 ACTING CHAIRMAN HAMILTON: Thank you. We are at 7 MR. CRAWFORD: What's that? 8 8 the conclusion of session two. Do the Board members MS. BLAINE: You may proceed with your 9 have any final questions or comments for session two? 9 statement. 10 10 Mr. Santos? ACTING CHAIRMAN HAMILTON: Go ahead, 11 MR. SANTOS: No final questions. 11 Mr. Crawford, you're up. 12 ACTING CHAIRMAN HAMILTON: Ms. Roberson? 12 MR. CRAWFORD: Okay. You've got my list of 13 MS. ROBERSON: No final questions, Mr. Chair. 13 questions, but you should have a copy. I handed the 14 ACTING CHAIRMAN HAMILTON: And Ms. Connery? 14 gentleman here, five. 15 MS. CONNERY: No final questions, I would just 15 Mr. Chairman, I came here with five questions as like to thank Mr. Moury and Mr. White for taking the 16 16 a former member of the Board. I would like to mention 17 abuse from across the aisle. 17 first the basis educationally and experience on which I 18 ACTING CHAIRMAN HAMILTON: So thank you for 18 ask these questions. I went to the Naval Academy, 19 19 being here. Thank you very much. We are -- you are graduated; I then went to MIT where I got a degree, MS 20 excused, and we are going to take about a seven-minute 20 degree in nuclear physics; and so I would like to 21 break, and then we will resume at 20 minutes to the hour 21 address these questions to the same -- with the basis on 22 by that clock to have the public comments session. 22 which I ask. 23 23 Thank you. I'll go to the last two. Bear with me, I've got 24 24 (Whereupon, there was a recess in the to --25 proceedings.) 25 ACTING CHAIRMAN HAMILTON: So what we can do. 110

1 ACTING CHAIRMAN HAMILTON: This is session 1 2 three. At this time I will turn over the proceedings to 2 3 our acting general counsel, Ms. Casey Blaine, for the 3 4 public comment period. Ms. Blaine? 4 5 MS. BLAINE: Thank you, Mr. Hamilton. At this 5 6 time, the Board would like to provide an opportunity for 6 7 7 comments from interested members of the public. A list 8 of those speakers who have contacted the Board is posted 8 9 9 at the entrance to this room. We have generally listed 10 the speakers in the order in which they contacted us, or 10 11 if possible when they wish to speak. I will call the 11 12 speakers in this order and ask the speakers to state 12 13 13 their name and affiliation before their comments. 14 There is also a sign-up sheet at the entrance of 14 15 this room with a sign-up sheet for members of the public 15 who wish to make comments but did not have an 16 16 17 17 opportunity to notify us ahead of time. They will 18 follow those who have already registered in the order in 18 19 which they signed up. 19 20 To give everyone wishing to make a comment equal 20 21 opportunity, we would ask that speakers limit their 21 22 original comments to five minutes. I will provide 22 notice at four and four and a half minutes that your 23 23 24 time is about to expire. Remarks should be limited to 24 25 25 comments, technical information, or data concerning the

1	Mr. Crawford, is we can submit your list of questions
2	for the record and they will be a part of this hearing.
3	MR. CRAWFORD: What I would like to do is
4	discuss two items, two questions, and you can read them
5	in. The first one is the directive that Congress gave
6	to the Board when it established the Board. It said the
7	Board is directed to raise the level of competence in
8	DOE substantially.
9	My question is, did they do that? I know that
0	they didn't, at least in the early years, because my
1	last year, we tried hard to address that question. I
2	caused a report to be prepared, or the staff to develop
2 3	a report, there was an outside group, the Board staff,
4	and representatives of Naval reactors, retired, and also
5	industrial groups, and they compiled the report, and the
6	report it's in the Board's files, because I've gotten
7	a recall, as DNFSB Tech-10, the DOE's Technical Adequacy
8	Program.
9	And so my questions today were to be to direct
0	that, have they enacted it, has the Board put the heat
1	to DOE and made them raise the level of technical
2	competence? That's the first one.
2 3	More recently, the Congress had a group examine
4	the whole nuclear weapons enterprises, they referred to
5	it. It was called the Augustine the Augustine-Mies

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1	report. Now the initial report and I follow the	1	speaking on behalf of Tri-Valley CAREs, this is
2	Board, what the Board does, fairly extensively. The	2	Tri-Valley Communities Against a Radioactive
3	initial the initial report said that the Naval	3	Environment.
4	Reactors Program was world class. I waited to see that	4	Tri-Valley CAREs was founded in 1983 by
5	and read that in the final report. Nothing about it.	5	concerned neighbors living near Lawrence Livermore
6	Nothing like that. It compared the Naval Reactors	6	National Laboratory, and has worked for 35 years as a
7	Program with other programs, but no words that would	7	watchdog monitoring the nuclear weapons and waste
8	result in a raising of the adequacy of the Board.	8	cleanup activities throughout the U.S. nuclear weapons
9	Now those are my two questions. What happened?	9	complex.
10	ACTING CHAIRMAN HAMILTON: And thank you. We'll	10	I am also dual-hatted, delivering comments today
11	submit all of your questions for the record.	11	on behalf of the broader Alliance for Nuclear
12	MR. CRAWFORD: Okay.	12	Accountability. ANA is a national network of more than
13	ACTING CHAIRMAN HAMILTON: And we're very	13	30 organizations that addresses nuclear weapons
14	familiar.	14	production and waste cleanup issues. ANA was formed
15	MR. CRAWFORD: These ones in here.	15	just over 30 years ago, about the same time as the
16	ACTING CHAIRMAN HAMILTON: We're very familiar	16	Safety Board.
17	with the Augustine-Mies report, as well as the tech	17	Tri-Valley CAREs and ANA are deeply concerned
18	report that you prepared, and we want to thank you for	18	that this order will constrain crucial oversight
19	raising those questions for our evaluation, and we also	19	activities at the Safety Board, and endanger public and
20	want to thank you	20	worker health and safety. Degradation of the Safety
21	MR. CRAWFORD: And I can say so far as I can	21	Board access and authority threatens to send us
22	observe, this is the first time that I've ever seen the	22	backwards, returning us to the days when major accidents
23	public invited into a discussion between the DOE I	23	and spills and releases were considered routine, and
24	mean, if you wanted to get the issue of the technical	24	justified in the service of the mentality of production
25	adequacy, there was nobody to listen. I've written to	25	first and safety second, at best.

**Public Hearing** 

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1	the President, told him the story, the dilemma we was
2	in, no response. One time, Vice President Cheney had
3	arranged me a meeting with the
4	MS. BLAINE: You have one minute remaining.
5	MR. CRAWFORD: nothing happened.
6	ACTING CHAIRMAN HAMILTON: Well, thank you. We
7	open these to the public routinely now.
8	MR. CRAWFORD: It's wonderful.
9	ACTING CHAIRMAN HAMILTON: So this is nothing
10	new to me since I've been here. And again, we're going
11	to enter these into the record. We're very familiar
12	with the topics you brought up, and we thank you for
13	being here.
14	MR. CRAWFORD: Thank you for listening.
15	ACTING CHAIRMAN HAMILTON: And your support.
16	You're certainly welcome.
17	Ms. Blaine?
18	MS. BLAINE: Thank you, Mr. Crawford, and your
19	questions have been entered into the record.
20	The next speaker that we have is Ms. Kathy
21	Crandall Robinson.
22	MS. CRANDALL ROBINSON: Thank you very much. I
23	really appreciate being here. I've learned a lot this
24	morning, and I'm happy to give these comments.
25	My name is Kathy Crandall Robinson. I'm

In the two decades before DNFSB was created, Livermore Lab suffered major Tritium accidents, plutonium fires, a burst glovebox, a nuclear criticality, and numerous other mishaps. Livermore is neither unique nor the site with the worst nuclear accidents in the complex. The Safety Board has played a vital role in protecting public health and safety in carrying out its mission to provide independent analysis, advice and recommendations to the Department of Energy, and I'm

10 11 going to submit, along with my written comments, a few 12 little highlights of some of the great things that DNFSB 13 has done. 14 I know that the stakeholders and the community leaders of both ANA and Tri-Valley CAREs have very high 15 praise for the DNFSB. This is not the time when 16 17 concerns about the nuclear weapons complex facilities is 18 shrinking. We have aging facilities, we have facilities 19 that are operating with serious concerns, and we have a 20 new drive for production that may introduce some novel 21 problems. And I think specifically of some of the 22 drives for plutonium pit production, 80 pits by 2030 is

the goal of the nuclear posture review, and you're

- seeing plans to greatly expand at New Mexico, as well as
  - new plans at Savannah River.

29 (Pages 113 to 116)

Defense Nuclear Facilities Safety Board

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1	We are concerned about the limitations imposed	1	this hearing informing the public about this DOE order,
2	by the Order 140.1, and that they will hinder the safety	2	and I want to thank you very much for actually holding
3	Board's effectiveness to fully investigate and continue	3	this hearing.
4	with sound oversight. We believe that the order is at	4	My name is Seth Kirshenberg, I'm the executive
5	odds with the enabling legislation that states, as this	5	director of Communities Alliance, we represent the local
6	was pointed out earlier, "The Secretary of Energy shall	6	governments and communities around the various
7	fully cooperate with the Board and provide the Board	7	Department of Energy facilities, and we submitted a
8	with ready access to such facilities and performance"	8	letter that we sent to the Secretary of Energy today on
9	I'm so sorry, just one second "such personnel and	9	the record that basically asks them to pause this
10	information as the Board considers necessary to carry	10	particular rule.
11	out its responsibilities."	11	ECA's goal is to ensure that DOE and NNSA
12	We are particularly concerned about three	12	complete their jobs effectively, efficiently and safely.
13	constraints.	13	We believe that the order does not accomplish these
14	MS. BLAINE: You have one minute remaining.	14	objectives, and today you highlighted many of the
15	MS. CRANDALL ROBINSON: Okay, I'm going to go	15	concerns that the communities have, and we really
16	fast, then. The first is the Hazard Category 3	16	appreciate it. I learned a lot today, and I think the
17	facilities, and these were discussed and the interaction	17	communities learned a lot today.
18	of that with the what happens within the site, and I	18	In our formal letter, when we asked that it be
19	just wanted to point out, particularly, that the	19	paused, we identified some key issues. One is, you've
20	Livermore site, the public is so close to the facilities	20	got to involve the community. I mean, that is a key
21	that they are closer in many cases than collocated	21	issue when developing any of these policies, especially
22	workers.	22	when you talk about public health and safety. But more
23	MS. BLAINE: Thirty seconds remaining.	23	importantly, I think that, you know, as you talked about
24	MS. CRANDALL ROBINSON: I am going to skip	24	before, one of the key things is involving DNFSB. Your
25	through very quickly. So it's the access to facilities,	25	working relationship is the reason why the processes can
	118		120
1	the category three, and this is very much related to	1	move forward, either clearly or not. And them
2	whether we include workers and the public. We think	2	understanding those things, and them understanding how
3	that they are absolutely linked. You cannot separate	3	you actually work together are actually very it's
4	them.	4	clear.
5	The pre-decisional documents, we don't know what	5	I, who have seen the Department of Energy
6	that means, but we're very concerned, especially when it	6	litigate cases, fight against regulation, and then learn
7	comes to the construction issues that were mentioned,	7	over and over and over again that by working with the
8	but all the others.	8	regulators and oversight that they create these
9	And finally	9	efficiencies, they create processes that actually work.
10	MS. BLAINE: Would you please conclude your	10	What's interesting, we became aware of this order
11		11	

statement, Ms. Crandall Robinson. 11

12 MS. CRANDALL ROBINSON: Yes, I will conclude. I 13 will conclude by saying that the final thing is the 14 access to contractors and work with the site workers,

15 and that we have asked the Secretary of Energy to revoke

16 or at least hold in abeyance this rule, and very much

- 17 thank the DNFSB and rely on your continued diligence. MS. BLAINE: Thank you. If you have copies of 18 19 the documents that you would like to submit for the 20 record, I have an associate who will come and retrieve
- 21 them from you. Thank you.
- 22 The next speaker that we have is Seth
- 23 Kirshenberg. 24 MR. KIRSHENBERG: Great. Thank you very much.
- 25 First, there's a lot of irony here, that you are holding

What's interesting, we became aware of this order because obviously a lot of different people started raising concerns. We started getting questions about it, not because DOE actually said, hey, we've got this new order that impacts, and they said health and safety of the community, which they're trying to focus on, and we agree with you related to the worker issues as well.

You know, since DOE doesn't have a formal regulator related to the issues that you all oversee, DNFSB, to us, plays a critical role. We've seen that over time. The information that you provide to communities and to the public is very key for us.

For this reason, we're concerned about 140.1. ECA believes the new chain of command, and it was interesting to hear Mr. White talk about, well, when I'm briefing them, this is what I'm telling them to do. We

30 (Pages 117 to 120)

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#### Defense Nuclear Facilities Safety Board

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1	all know of anybody who has ever worked with Government	1	associate.
2	that the next person reads it and says, that's not what	2	MR. KIRSHENBERG: Thank you.
3	this says, here's a pre-decisional information, I'm not	3	MS. BLAINE: Thank you. Are there any other
4	supposed to give this to you.	4	members of the public who wish to speak at this time?
5	Pre-decisional is very defined in FOIA and other	5	(No response.)
6	types of things about access and information that the	6	MS. BLAINE: Seeing none, I would like to thank
7	Department actually discloses to third parties. And it	7	each of our public commenters for speaking this
8	becomes very clear that we're going to have concerns.	8	afternoon, and at this time, I will turn the proceedings
9	The other thing that you have is that NNSA, EM,	9	back over to Acting Chairman Hamilton for closing
10	Office of Science, everybody else, they implement these	10	remarks.
11	rules differently, and they are going to implement them	11	ACTING CHAIRMAN HAMILTON: Thank you,
12	differently. And when you have a site like Oak Ridge	12	Ms. Blaine. I will now turn to my fellow Board members
13	that has actually one landlord with three major	13	for their closing remarks and then we will end with my
14	operators, how are they all going to implement and	14	own closing remarks.
15	require and respond to all of you?	15	Ms. Roberson?
16	The "one voice" comment that they made in the	16	MS. ROBERSON: Thank you, Mr. Chairman. I want
17	order means lessening of diversity of opinions to us	17	to thank my fellow Board members, the Deputy Secretary
18	that may exist between DOE personnel and DOE	18	and other Departmental representatives that were here
19	contractors. And we all know that if you've worked	19	today, our staff participants, and most importantly the
20	within the system, that people have different ideas on	20	public here and online, for your support and
21	different information as we go forward.	21	participation in this hearing.
22	We appreciate the desire to save costs,	22	As has been noted, this is the first in a series
23	streamline processes, maximize efficiencies. We want to	23	of hearings on this topic. Hopefully to be followed
24	accomplish the same goal. In the past, we have sent	24	soon with a focus on execution of DOE's Order 140.1 at
25	comments to DNFSB about improving those particular	25	Environmental Management, Defense Nuclear Facilities and
	122		124
1	processes, and we will continue to do that as well, but	1	the Science Defense Nuclear Facilities. This serves as

implementing an order that limits interaction --2 3 MS. BLAINE: One minute remaining. 4 MR. KIRSHENBERG: -- and opportunity for 5 oversight, will not achieve these objectives. We urge 6 DOE to pause this. 7 The hearing really raised more questions for me 8 and confusion, actually, and I'm someone who actually 9 follows these things and works on them regularly. And 10 so, you know, we want more information from the Department of Energy on the worker safety issues, the 11 12 oversight of sites like WIPP. How could you not have oversight of --13 14 MS. BLAINE: Thirty seconds remaining. MR. KIRSHENBERG: -- some of the most critical 15 important infrastructure in the Department of Energy. 16 And so we actually are going to be asking the Department 17 18 the same things.

19 You know, I just want to close by just saying 20 thank you very much for holding this hearing. This has 21 been very informative, and we look forward to working 22 with you in the future. Thank you. 23 MS. BLAINE: Thank you for your statement, 24 Mr. Kirshenberg. If you have any documents you would

25 like to submit for the record, please give them to my

This serves as our first real opportunity to critically understand the intent and goals that the Department and its line elements have sought in redefining its relationship with the Board and the Board's execution of its oversight authorities.

7 I and fellow Board members are very much aware 8 that about every two years, there's a new or revised 9 study that advises the Department that it is spending 10 too much money in responding to the Board and the Board 11 staff and generally advises the Department to shore up 12 inhouse control to expenditures and responses to both 13 informal and formal communication from the Board or the 14 Board staff. And I've recognized their right to manage 15 their internal business. 16 Board members now and in the past have long been

17 concerned about the DOE application of Board-recommended actions being applied across the entire Department. The 18 19 Board provides oversight and insights to the Secretary 20 specific to defense nuclear facilities. The application

of those standards to other DOE applications or

22 activities is not the Board overstepping their 23

authority, those have been DOE internal decisions.

We recognize the management challenge when you have such a diverse portfolio for the Board, but the

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Board and the Department can take actions to address

this very soon. Thank you very much.

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1	Board has previously actually written to the Department	1	Ms. Roberson.
2	expressing its concern that the application of the same	2	Board Member Santos?
3	expected high safety standards for defense nuclear	3	MR. SANTOS: Thank you, acting Chairman. First
4	facilities may be an overburden for nondefense nuclear	4	I want to thank all the participants in today's hearing,
5	facilities.	5	especially all the DNFSB staff and support personnel
6	The Department elements have to their credit	6	that worked very hard in the preparation and
7	built in avenues like waivers or exemption processes to	7	coordination of this hearing. So, thank you to all of
8	allow acceptance of different requirements with	8	you.
9	thoughtful reasoning, but those are rarely used, and I	9	In addition to Order 140.1, it is important to
10	do not know why, because the alternative we now see may	10	note that the Department is systematically changing key
11	need to may lead to normalizing safety requirements	11	aspects of its long-standing approach to nuclear safety
12	for defense nuclear facilities with non-defense nuclear	12	and its views of the role of independent oversight. And
13	facilities.	13	while these changes are taking place, the Department is
14	The Board and DOE have had a lively relationship	14	facing tremendous pressures, challenges and issues
15	since the beginning, and I think that has been and can	15	throughout the defense nuclear complex, including but
16	be very healthy as long as the relationship is focused	16	not limited to aging infrastructure issues, deferred
17	on technical debate and technical perfection, as former	17	maintenance issues, human capital shortfalls in critical
18	Board member Crawford highlighted, and ensures and is	18	safety programs, technology and construction issues and
19	focused on how the public is protected in the execution	19	delays, conduct of operation challenges, events, upsets
20	of the missions essential to our national defense. And	20	and incidents, and the need to execute upcoming
21	there is no analysis that will silence the Board. Even	21	high-risk work such as plutonium remediation work at the
22	if it's not this Board.	22	Savannah River Site and at Hanford.
23	I am very concerned with the Department's stance	23	Given all these issues, challenges, pressures
24	regarding the Board's authority to evaluate, advise,	24	and systematic changes, I consider that this is not an
25	recommend and speak to matters involving workers,	25	opportune time to be altering aspects of the role of
	126		128
1	collocated workers, and public health and safety, and be	1	independent oversight that for many years have helped
2	assured the Department will treat Board communications	2	serve as a strong pillar relied on for providing
3	with the due consideration it deserves.	3	adequate protection of the American people, including
4	We all understand that the Department is a	4	the American patriots that work throughout the defense
5	cannibal for managing the integration of safety at its	5	nuclear complex.
6	defense nuclear facilities. The Board provides	6	It is not clear to me what gives DOE confidence
7	independent oversight. At the end of the day, it is the	7	that safety would not be compromised. These are the
8	Secretary's decision in communications regarding the	8	type of issues I will continue to explore.
9	Department's commitment to safety that prevails with its	9	DOE has a safety infrastructure that was built
10	workforce, but accountability and transparency must be	10	over many years, with a lot of technical study,
11	hand in hand.	11	expertise, lessons learned, and best practices. It is
12	The Department has decided to independently	12	my strong opinion that the DOE enterprise needs to
13	invoke its interpretation of the Board's enabling	13	resist the pressures to make significant and hasty
14	statute, and even though the Board already takes issue	14	changes to it. I encourage the DOE leadership to be
15	with some elements of the Department's interpretations,	15	skeptical of any changes to its safety approach, and to
16	we have not yet received any formal communication	16	ensure that erosion of safety is not disguised as
17	regarding why it has taken those positions, and even	17	promised improvements, promised cost savings, or to
18	more importantly, what are the new requirements the	18	quickly buy into shallow statements that failure to
19	Department desires to impose upon oversight?	19	deliver on mission is due to adherence to safety.
20	This is unfortunate, and leaves too many	20	I encourage DOE to continue its strong
21	important questions regarding the Department's intent	21	relationship with the Board and to always remain open to

21 relationship with the Board and to always remain open to toward independent oversight to speculation. I hope the 22 the Board's independent analysis, advice, and 23 recommendations. Now is not the time to be limiting 24 interactions with the Board. I repeat, now is not the ACTING CHAIRMAN HAMILTON: Thank you, 25 time to be limiting interactions with the Board.

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#### Defense Nuclear Facilities Safety Board

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1	Fellow Board members, as you all know, we're	1	workers. I don't know why we strike fear into the heart
2	facing challenging times at the Board and we need to be	2	of the Department, and I don't understand why they
3	even more vigilant and conduct our thorough independent	3	consider us to be onerous. If it were up to me, I'd
4	safety oversight work in an effective and timely manner,	4	double our staff and still find us inadequate.
5	as all these changes are taking effect right now. The	5	I also find it curious that the Department wants
6	American people deserve it.	6	to prevent access to pre-decisional documents. While I
7	This concludes my statement. Thank you.	7	understand that they have an interest in making sure
8	ACTING CHAIRMAN HAMILTON: Thank you,	8	that such documents do not go public, we are obliged to
9	Mr. Santos.	9	obey the markings that the Department puts on those
10	Board Member Connery?	10	documents. Even the weekly information that comes from
11	MS. CONNERY: Thank you, Mr. Chairman. I would	11	our resident inspectors is vetted by the Department to
12	like to thank my fellow Board members and associate	12	avoid information becoming public before its time.
13	myself with the closing remarks of Ms. Roberson and	13	Congress instructed the Department and the Board
14	Mr. Santos, I thought those were excellent and eloquent	14	to interact sooner in designing construction efforts to
15	remarks.	15	avoid us from weighing in after the fact. The same
16	I would like to thank the public for tuning in	16	should be true of orders and regulations that deal with
17	today or showing up, and particularly those who sought	17	safety. Asking for somebody's opinion after a decision
18	to engage with us with public remarks.	18	has been made by definition leads to an uninformed
19	I also want to thank DOE, you have done the	19	decision.
20	impossible, you have brought the Board together in unity	20	Finally, in my career, which began at the
21	for the first time in a while, so congratulations on	21	Department of Energy, I always heard the words, "Mission
22	that. And to echo some of the themes that I've heard	22	first, people always," regardless of the administration.
23	from my fellow Board members and from some of the	23	And I believe that that is a core value and principle of
24	public, you know, these aren't fantastic times to be	24	the Department, and yet and yet, here we are with the
25	reconsidering how we do safety. We are in a situation	25	Department defining for the Board that public health and
	130		132
1	in which there's aging infrastructure, where there is a	1	safety, and our consideration in determining adequate
2	changing workforce, where there's increased and	2	protection, includes only individuals located beyond the
3	important mission at NNSA, and there's more complex	3	site boundary of DOE sites with DOE defense nuclear
4	mission left for EM to do. So this seems to be the	4	facilities.
5	perfect storm for accidents to happen and this is a time	5	At Savannah River, an office worker who didn't
6	where we should be doubling down on our efforts on	6	sign up for hazardous work duty, but works in the range

6 where we should be doubling down on our efforts on 7 nuclear safety.

8 When I was speaking to the Department of 9 Energy's facility rep gathering in Las Vegas last May, I 10 was asked during Q&A what my reaction was to the Interface Order. My reply was, visceral. This seemed 11 12 to catch some of my colleagues from the Department by 13 surprise. Based on the testimony we heard today, the 14 order in question seems to be intended by the Department 15 to be benign instruction to the field on how to 16 facilitate Board interaction with sites and contractors. 17 I don't feel it's that benign. I didn't feel it when I 18 read it and I certainly didn't get confidence in that 19 with the answers that I heard today. 20 To begin with, any interface document dealing

- 21 with the rules of the road regarding our two 22 organizations should at the very least involve our two 23 organizations. We are but a small, technical organization, with a few dozen technical staff members, 24
- 25 and the defense nuclear complex has tens of thousands of

sign up for hazardous work duty, but works in the range 6 7 of the tritium facility, at Los Alamos, a worker 8 building war reserve pits to build our deterrent, at 9 Pantex, perhaps three generations of great Americans all 10 working at the plant. They are not our concern 11 according to this document. Yet they are the mothers, 12 the brothers, the breadwinners and the soccer coaches in 13 the communities of Aiken, Los Alamos and Amarillo. They 14 are the public. 15 I know our staff will continue to identify 16 safety concerns that could impact workers at the site, 17 so-called collocated workers within the boundaries of 18 the site, and the general public. And I know that the 19 Board will keep communicating. I hope that the 20 Department will continue listening and responding 21 appropriately. Thank you. 22 ACTING CHAIRMAN HAMILTON: Thank you, 23 Ms. Connery. 24 I will now offer my own personal closing 25 remarks, and I will borrow from Ms. Connery's comment

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Public Hearing Defense Nuclear Facilities Safety Board

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1	that you had that this order has, in fact, united the	1	This concludes my personal closing remarks. I
2	Board.	2	would now like to again thank the witnesses and the
3	We've covered a lot of material today, but to	3	organizations and speakers today for supporting this
4	me, the primary question is, is DOE Order 140.1	4	hearing. I also want to thank all those who attended,
5	consistent with the Atomic Energy Act? In my view, it	5	either in person or via the Internet. Our goal for this
6	is not, for many obvious reasons. Among them, the order	6	hearing was to gather information on the objectives of
7	claims to exempt DNFSB oversight from Hazard Category 3	7	DOE Order 140.1, interface with the Defense Nuclear
8	in radiological facilities, but hazard categories are a	8	Facilities Safety Board, the Board's access to
9	DOE construct, nowhere articulated in the Atomic Energy	9	facilities, information and personnel, and the potential
10	Act.	10	impacts to the Board's Resident Inspector Program.
11	The order claims to limit the adequate	11	This was the first in a series of up to three
12	protection of the public health and safety to people	12	hearings regarding 140.1. The next hearing will be at a
13	beyond the site boundary of a defense nuclear facility,	13	date to be determined later by the Board. This morning
14	thereby excluding workers' safety from the Board's	14	we heard testimony from the Deputy Secretary of Energy,
15	oversight. This cutout is nowhere articulated in the	15	the Associate Under Secretary for Environmental Health,
16	Atomic Energy Act.	16	Safety and Security, and the Chief of Staff and
17	The order claims to exempt the Board's oversight	17 18	Associated Principal Deputy Administrator for NNSA, as
18 19	in situations where the Department of Energy determines	10	well as public comments, so thank you again for making those comments. We appreciate it.
20	that the adequate protection of the public health and safety is not adversely affected, thereby making the	20	The Board will consider the information gathered
20	Secretary of Energy the arbiter, a specious and circular	20	this morning to inform any actions that we may take
21	argument given that the Atomic Energy Act directs the	22	regarding these issues. Once again, I thank everyone
22	Board to opine and offer recommendations on that very	23	for participation at this hearing. The record of this
23	question.	24	proceeding will remain open until September 28th. This
25	Beyond this, a curious pair of secondary	25	concludes the public hearing of the Defense Nuclear
20	beyond this, a carloas pair of secondary		······································
	134		136
1	questions for me is where this overreach originated, and	1	Facilities Safety Board. We are adjourned.
2	questions for me is where this overreach originated, and whether the senior political leaders of the Department	2	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
2 3	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to	2 3	Facilities Safety Board. We are adjourned.
2 3 4	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to claim. I have little inside on the Department's	2 3 4	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
2 3 4 5	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to claim. I have little inside on the Department's internal activities which resulted in this order, but I	2 3 4 5	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
2 3 4 5 6	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to claim. I have little inside on the Department's internal activities which resulted in this order, but I do know these facts: Solid evidence exists that this	2 3 4 5 6	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
2 3 4 5 6 7	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to claim. I have little inside on the Department's internal activities which resulted in this order, but I do know these facts: Solid evidence exists that this order has been simmering inside the Department for over	2 3 4 5 6 7	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
2 3 4 5 6 7 8	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to claim. I have little inside on the Department's internal activities which resulted in this order, but I do know these facts: Solid evidence exists that this order has been simmering inside the Department for over a decade, spanning three different Presidential	2 3 4 5 6 7 8	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
2 3 4 5 6 7 8 9	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to claim. I have little inside on the Department's internal activities which resulted in this order, but I do know these facts: Solid evidence exists that this order has been simmering inside the Department for over a decade, spanning three different Presidential administrations.	2 3 4 5 6 7 8 9	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
2 3 4 5 6 7 8 9 10	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to claim. I have little inside on the Department's internal activities which resulted in this order, but I do know these facts: Solid evidence exists that this order has been simmering inside the Department for over a decade, spanning three different Presidential administrations. I know that the order was pushed through without	2 3 4 5 6 7 8 9 10	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
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2 3 4 5 6 7 8 9 10 11 12 13	questions for me is where this overreach originated, and whether the senior political leaders of the Department were made fully aware of what the order attempts to claim. I have little inside on the Department's internal activities which resulted in this order, but I do know these facts: Solid evidence exists that this order has been simmering inside the Department for over a decade, spanning three different Presidential administrations. I know that the order was pushed through without formal comments from the Board, and with only a single informal input in a cautionary email provided to me by the Administrator of the NNSA just one week before it	2 3 4 5 6 7 8 9 10 11 12 13	Facilities Safety Board. We are adjourned. (Whereupon, at 12:16 p.m., the hearing was
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# Defense Nuclear Facilities Safety Board

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1	CERTIFICATE OF REPORTER	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	I, Sally Jo Quade, CERT, do hereby certify that the foregoing proceedings were recorded by me via stenotype and reduced to typewriting under my supervision; that I am neither counsel for, related to, nor employed by any of the parties to the action in which these proceedings were transcribed; and further, that I am not a relative or employee of any attorney or counsel employed by the parties hereto, nor financially or otherwise interested in the outcome of the action.	
		<u> </u>

## **Defense Nuclear Facilities Safety Board**

8/28/2018

# **Public Hearing**

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